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(54) Title: APPARATUS AND METHOD FOR IDENTIFYING THE INFORMATION STORED ON A MEDIUM

(57) Abstract

A controller and media–reader are used to identify various physical or logical characteristics of data stored on a pre–recorded medium. These characteristics may include, e.g., the kind of medium, the kind of data, the way the data is segmented or separated, the size of any data segments, the total amount of data or physical size of the medium carrying the data. A controller then compares the identified set of characteristics to stored sets of characteristics which are associated with respective content–identifiers. A successful comparison yields content–identifiers applicable to the data stored on the pre–recorded medium. These content identifiers may be, e.g., information identifying the titles and length of audio or video programs included on the media. The stored sets of characteristic and content identifiers may be located at a remote site.

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APPARATUS AND METHOD FOR IDENTIFYING THE INFORMATION STORED ON A MEDIUM

This invention relates to prerecorded media generally
5 and particularly to a technique for determining or verifying media content.

Some prerecorded media, such as CD-ROMs and the various DVD formats, contain descriptive information (e.g., title, # of tracks, length) about the program(s) recorded on the media. This
10 descriptive information allows a user to more accurately control the playing or reproduction of programs recorded on the media. Unfortunately, some prerecorded media, such as audio CDs or LaserDisks, do not include such descriptive information.

If a user wishes to incorporate content-descriptive
15 information from, e.g., audio CDs or LaserDisks, then the data may be manually entered. For example, computer programs are known which utilize a computer's CD-ROM reader to identify the number of tracks and length of each track of an audio CD and store this information on a hard disk. Disadvantageously, a user must then
20 manually type in the title and song names of the audio CD. The title and song names are then stored.

Therefore, it is seen as desirable to derive descriptive information relating to media content without requiring user intervention. It is also desirable to provide such content-
25 descriptive data in a form which may be readily displayed on-screen.

The present invention is in part based on the recognition that the physical or logical arrangement of data stored on a medium may be used to identify the stored data and retrieve
30 descriptive information relating to the stored data.

In one embodiment of the invention a controller and media-reader are used to identify various physical or logical characteristics of data stored on a pre-recorded medium. These characteristics may include, e.g., the kind of medium, the kind of
35 data, the way the data is segmented or separated, the size of any data segments, the total amount of data or physical size of the medium carrying the data. A controller then compares the identified set of characteristics to stored sets of characteristics

which are associated with respective content-identifiers (i.e., information content indicia). A successful comparison yields content-identifiers applicable to the data stored on the pre-recorded medium. These content identifiers may be, e.g.,

5   information identifying the titles and length of audio or video programs included on the media.

In another embodiment of the invention a computer including a CD-ROM reader determines the number of tracks and play time for each track of an audio CD, compares this information

10   to information stored in a database and identifies the audio CD. The identity of the audio CD is then used to retrieve content-descriptive information about the audio CD.

In still another embodiment of the invention content-descriptive information is derived and used to identify and catalog

15   a plurality of, e.g., audio or video disks contained in an audio or video "jukebox" arrangement. The catalog data may then be incorporated into an on-screen selection guide.

Another embodiment of the invention comprises a method for reducing the impact of media inconsistencies upon the

20   operation of the invention by weighting the various physical or logical characteristics of the media.

Brief Description Of The Drawings

25   The invention will be described with reference to the accompanying Drawing, in which:

FIGURE 1 shows a block diagram of a compact disk jukebox system according to the invention;

FIGURE 2 shows a block diagram of a television system

30   according to the invention; and

FIGURES 3 and 4 are flow charts useful in understanding the invention.

Like reference designators in the various FIGURES refer to the same or similar elements.

35   Some pre-recorded media, such as CD-ROMs and the various DVD formats, contain descriptive information (e.g., title, length) about the program(s) recorded on the media. This descriptive information allows a user to more accurately control the

recording or reproduction of programs recorded on the media. In addition, the descriptive information enables the user to easily identify the contents of pre-recorded media. This ease of identification allows easy cataloging of the user's media collection

5 and quick access to desired programs contained within the collection. Unfortunately, some pre-recorded media, such as audio CDs or LaserDisks, do not include such descriptive information. As such, if a user wishes to enjoy the above-described advantages then the user must manually catalog the media collection.

10   The inventor recognizes that the physical or logical arrangement of data stored on a medium is useful in identifying the content (i.e., video program, audio program, computer software, etc.) of the medium. A relatively unique profile of the physical and/or logical characteristics of the data stored on a medium may

15 be determined by examining the medium containing the program data. The determined profile may then be compared to profiles stored, for example, in a database. These stored profiles are linked to, or associated with, descriptive information about program content, source, etc.. Thus, by matching the determined profile to a

20 stored profile the user may retrieve descriptive information (i.e., information content indicia) about the program(s) recorded on his or her medium.

        By advantageously including a sufficient number of characteristics the profile of data stored on a particular medium

25 becomes relatively unique. The characteristics of the stored data may include, illustratively, format, total amount, logical segmentation (if any), segment amount, data samples at, e.g., segmentation boundaries, and other criteria. For example, a profile of the physical and/or logical characteristics of a first audio

30 compact disk (CD) containing a musical recording is likely to be different than the profile of a second audio CD containing a different recording. The inventor has determined that a relatively unique profile of an audio compact disk may be created using only the number of tracks (N) and the length (L) of each track. The

35 profile may be made more unique by including other characteristics, such as the first or last few bytes of each track, data samples of predetermined portions of the disk or the total length of all tracks.

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The "uniqueness" of the profile increases as the number of characteristics used in the profile are increased. However, even if there are several profiles which match the "relatively unique" profile the user may simply select which of the several profiles he

5   believes is correct or allow the several profiles to be retrieved. The user may also compare additional characteristics of the profiled CD to the several profiles to ensure a match. This additional profiling procedure may be automated and only called upon as necessary, thus saving memory and time.

10   FIGURE 1 shows a block diagram of a compact disk jukebox system according to the invention. The jukebox system 100 includes an input/output (I/O) unit 180 comprising a display 184, keypad 182 and speakers 186A,186B. The I/O unit 180 is coupled to, and controlled by, a controller 125. The controller

15 generates the on-screen display (OSD) signals needed for displaying selection information, user prompts and other information on the display 184. The controller 125 receives and responds to user commands entered via the keypad 182. I/O unit 180 includes audio processing circuitry (not shown) which receives audio

20 information from the controller 125, processes the information and couples the processed audio information to the speakers 186A,186B.

A media "stack" 105 includes one or more media 105-1 through 105-N storing audio, video or other program information.

25 The media stack is coupled to a media reader 115 which is capable of selecting any medium within the stack and reading the stored program information stored onto the medium. The media reader is controlled by controller 125. As previously discussed, the program information is stored on the media 105 according to various

30 physical and logical characteristics. In the case of an audio CD, the program information may be characterized according to the number of tracks (songs) and the length of each track (run time). Additional characterizing features may include, e.g., the first few bytes of each track, the last few bytes of each track, data samples

35 of predetermined portions of the media or the total length of all tracks. These characteristics are determined in a known manner by, e.g., reading the disk.

Controller 125 is coupled to a local database 135 and to supporting memory and processing elements (not shown). As used herein, the term "controller" is intended to be interpreted to include the terms "computer," "microprocessor," "microcontroller" and the like. The local database 135 is used for storing a plurality of profiles and associated descriptive information. One of the plurality of profiles may match a profile of program information stored on the media 105.

In the embodiment of FIGURE 1, jukebox 100 is an audio jukebox and media stack 105 comprises a plurality of audio CDs. Each of the characteristic profiles stored in local database 135 includes a "number of tracks" characteristic and a "track length" characteristic for each track. Each of the characteristic profiles is associated with descriptive information including the Title of the CD and the name of the song associated with each track. A database suitable for use as local database 135 may be formed by, e.g., relating at least the following data fields: NUMBER OF TRACKS (N), LENGTH OF EACH TRACK (L(1) - L(N)) and DISK TITLE (DT). The database may be augmented by including additional descriptive information fields, such as: DISK ARTIST (DA) or TRACK ARTISTS (TA(1) - TA(N)) and TRACK NAME (TN(1) - TN(N)).

An optional remote database 155 may be accessed by the controller 125 via an optional communications link 145. The remote database may be, e.g., a commercial database such as that owned by the Muze® Corporation. The Muze® database is presently used as part of a music and video title lookup service. This service is accessed via a computer located, e.g., in retail music stores. A user of the computer enters some information relating to a desired music or video selection, e.g., partial title or artist name. The computer finds the music or video title(s) corresponding to the information entered by the user.

The communications link 145 may comprise, e.g., a modem which connects to the remote database 155 via an Internet or direct-dial connection. The remote database 155 may comprise raw profile data which may be downloaded by the controller and stored in the local database. In this case the raw data may need to be converted into a form which is suitable for comparison to the determined profile. For example, the raw profile data may include

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more (or less) characteristics than necessary or simply different characteristics.

The remote database 155 may also include remote processing means for implementing a retrieve capability. In this
5 case the controller 125 would upload the determined profile to the remote database 155. The remote processing means would then convert the profile to a suitable form (if necessary) and compare the uploaded profile to profiles stored in the remote database 155. Upon finding a match the controller 125 would download the
10 descriptive information related to the program(s) store on the medium 105.

To transact with a remote database provider or owner it is likely that an account or some other method of authorization will be necessary. If the remote database provider transacts for a fee
15 then the subscriber will need to transmit at least identification information along with the profile information when accessing the remote database. The transaction process may be entirely automated. For example, controller 125 may contact the provider of the remote database 155 via an Internet or direct-dial
20 communications link 145. Upon successfully connecting to the provider an identification or authorization code is transmitted to the provider. The identification or authorization code may be encrypted using, e.g., a public key encryption scheme such as the "pretty good privacy" (PGP) scheme. After verifying the
25 identification or authorization code the provider will allow the controller 125 to upload profile data. The remote database provider will then find and download the descriptive information to the controller 125. The remote database provider may devote some data space to each authorized user so that duplicate requests
30 may be handled more expeditiously, possibly at a reduced rate.

The flow chart of FIGURE 3 shows a method 300 for obtaining descriptive information relating to an unidentified CD which is suitable for use by the controller 125 of jukebox 100. The method may also be utilized by the provider of a remote database
35 for processing uploaded profile data. The retrieval routine 300 is entered at step 310. The medium 105 is accessed (step 315) by the media reader 115 and a profile 320-CD of the medium is determined (step 320). In this case the profile includes the

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number of tracks (N) on an audio CD and the length of each track (L(1) through L(N)). After determining the profile, the controller accesses (step 325) a profile database (135 or 155). The controller finds (step 330) the first profile in the database of a disk having N

5   tracks. The controller then compares (step 335) the length of each of the N tracks of the determined and found profiles. If the track lengths of the profiles compare favorably (tracks lengths are the same or within a predetermined error margin, e.g., 2 seconds) (does "favorably" need some definition? Do we need to provide examples

10 of comparison methods, as in earlier illustrations?) then the descriptive information relating to the audio CD matching the profile is retrieved (step 340) and the routine is exited (step 345). If the track lengths do not compare favorably then the controller determines (step 350) if the found profile is the last profile in the

15 database of a disk having N tracks. If the found profile is the last profile then an error routine (step 360) may be initiated and the routine exited (step 370). If the found profile is not the last profile then the next profile is found (step 355) and the process (steps 335 to 350) is repeated.

20   The error routine (step 360) may comprise, e.g., returning an error message, prompting the user for a response (e.g., "Continue search?" "Add new parameters?") or automatically adjusting the search parameters. If the search is to be terminated (i.e., no further processing of the profile data) then the routine is

25 exited at step 365. The error routine (360) may prompt the user for appropriate error margin data or automatically determine an appropriate adjustment amount for the predetermined error margin data used in the comparison step (335). The predetermined error margin mentioned above may be, e.g., a window function. In

30 the above embodiment the window in which a favorable match occurs is plus or minus 2 seconds of an exact match. The window may be increased to e.g., 4 seconds.

              After error processing (360) it may be appropriate to perform additional processing steps (370-390). The optional steps

35 indicated in shadow (370-390) exemplify such steps. In the exemplary embodiment, if continued processing is appropriate (step 370) then the controller determines of any of the comparison parameters (e.g., window functions, tolerances, etc.) are to be

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adjusted (step 375) and, if appropriate, makes the adjustment (step 380).   The controller next determines (step 385) if the characteristic profile should be modified by, e.g., adding characteristics (e.g., track or disk data samples, etc.) to increase

5 (e.g., too many matches) or decrease (e.g., no match found) the uniqueness of the determined profile.   If the profile is not to be modified then the search of the accessed database is reinitiated at step 330 with the any new comparison parameters.   If the profile is to be modified then the medium is accessed (step 390) and any

10 additional characteristics are determined and incorporated into the profile database.   Thereupon the profile database is accessed (step 325) and the search continues.

It should be noted that after determining the profile 320-CD, controller 125 accesses (step 325) either a local (135) or,

15 optionally, a remote (155) profile database.   As a practical matter, the local database would be accessed first and, if the local database did not contain a matching profile, the optional remote database could be accessed.   As previously described, the remote database 155 may also include remote processing means for implementing a

20 retrieve capability.   This retrieve capability may be implemented by a number of methods, including the method 300 of FIGURE 3.

FIGURE 4 shows a flowchart of an "auto-programming" method suitable for use by the jukebox 100 of FIGURE 1.   The above-described method 300 for obtaining descriptive information

25 relating to an unidentified medium may be incorporated into the autoprogramming method 400 FIGURE 4.   A jukebox autoprogramming process entails the construction of a selection information database containing .   The selection information database contains the raw information which is processed by the

30 controller 125 and communicated to the user as a selection guide by display 184.   The user responds to the displayed information by selecting, via the keypad 182, one or more disks or tracks for listening.   The method 400 may be used in an "auto-program" mode in which descriptive information relating to the various CDs is

35 obtained and added to the selection guide.   CDs which do not have associated descriptive information may be removed from the selection guide.   The construction method optionally allows manual intervention (i.e., typing of the descriptive information) in the case

of CDs having unmatched profiles. The above-described method and apparatus is useful for, e.g., automatically identifying and describing new CDs and reconstructing the selection information database of a selection guide.

5   The database construction routine 400 is entered at step 410. The controller 125 directs the media reader 115 to select (step 415) a first CD from the media stack 105. The profile of the selected CD is determined and any descriptive information is retrieved by, e.g., the determination method 300 of FIGURE 3. If

10 the determination method (step 300) is able to provide descriptive information about the selected CD (i.e., a match was found in step 420), then the descriptive information is added (step 440) to the selection information database. If a match is not found then an opportunity to manually describe (step 425) the CD exists. If CD is

15 not to be manually described then information about the CD is removed (step 435) from the selection information database. If CD is to be manually described then the manual description routine (step 430) is entered. Such a routine may comprise, e.g., the previously described prior art method of inserting the CD in a

20 computer CD-ROM drive and manually entering title and track information.

           After processing (steps 300-440) the selected CD the controller determines (step 445) if there are any CDs remaining to be processed. If the processed CD was the last CD then the database

25 construction (i.e., autoprogramming) routine is exited at step 455. If there are more CDs to be processed then the controller directs the media reader 115 to select (step 450) the next CD and the processing steps 300-440 are repeated. This method 400 may be used, advantageously, to automatically create an accurate database

30 of, e.g., all the CDs in a jukebox 100. Such a database may then be manipulated using any of a variety of known techniques (e.g., searched or sorted) to enable precise user control of program selections.

           A jukebox 100 utilizing the above-described methods

35 and techniques offers an improved level of service to the user when compared to existing jukeboxes. For example, existing jukeboxes, such as those found in a commercial or public establishments, typically require a specific, physical layout of the

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CDs. That is, each CD is physically inserted into a particular slot such that the cover art and index from the CDs are visible to the user. Since all the CDs cannot be viewed at one time they are usually mounted on some type of carrousel. The user browses the

5 available selections by sequentially viewing the slotted CDs through a clear panel. The user makes a selection by pressing a button or buttons corresponding to both the slot and track numbers. This system disadvantageously lacks any searching ability. Moreover, the display method is cumbersome and the selection method is

10 prone to errors (e.g., selecting track 15 of a disk having 14 tracks) which require additional setup parameters. In contrast to existing jukeboxes, the owner of a jukebox 100 utilizing the invention simply adds CDs to the media stack as they arrive. The controller 125 can be programmed to take care of all the descriptive details

15 as previously described. A user may be provided with, for example, a sorted list (e.g., alphabetical by artist or track) or a grouped list (e.g., type or category of music such as classical, rap, jazz, rock:light, rock:alternative). The grouped list information may help a user navigate through the jukebox selections by allowing

20 more direct selection requests (e.g., "play some classical music," "play 15 minutes of jazz followed by 10 minutes of alternative rock" or "play a random selection of jazz, rock, and classical but not rap"). Need to add something here that says the information downloaded about a CD could also include category information

25 (e.g., classical, rap, jazz, rock:light) which could be used as an alternate navigation strategy (e.g., play some classical music) or to supplement a "random play" feature.

Variations in audio and compact disks can occur due to manufacturing tolerances. Compact disks are typically

30 manufactured in batches, or "pressings" of a certain numeric level depending on, e.g., anticipated sales or existing orders. As such, the same disk (i.e., same album or program released by an artist) may be pressed several times in the same or different factories. A disk manufactured in one pressing may not be identical to a disk

35 manufactured in a different pressing or manufactured in a different factory. For example, the inventor has observed differences of several seconds on the same track of two disks which are ostensibly the same. Another cause of variations between disks

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is the purposeful modification of a disk to meet the demands of retailers. For example, some large retailers (e.g., WalMart Department Stores and Blockbuster Video Stores) will not sell products which contain certain lyrics or images which are deemed
5   inappropriate for their clientele. In response, producers of audio and video programs manufacture special disks for these retailers with, e.g., portions of the audio or video muted or removed. These modifications change, e.g., track length, the actual data stored on the track, a checksum of the data, etc. In some cases an entire song
10 may be deleted from the disk.

To allow for the above variations the method 300 for obtaining descriptive information shown in FIGURE 3 may be enhanced. For example, a characteristic profile may simply include more characteristic information, such as the first or last few bytes
15 of each track or data samples at predetermined portions of the disk. Given a sufficient number of characteristics a more detailed profile may be constructed. With a more detailed profile the matching process may be conducted in a more accurate manner, though possibly with a performance penalty (e.g., more processor
20 time).

The method 300 for obtaining descriptive information may also be enhanced by assigning different weighting factors to the various characteristic information components which define a profile. A characteristic such as the number of tracks would
25 ordinarily be assigned a higher weighting factor than a characteristic such as the length of a particular track. A distance equation approach (i.e., summing all the characteristic*weighting factor results) may be utilized for profile comparisons. In this manner minor variations between disk pressings (e.g., length of a
30 track) may be compensated for.

The method 300 for obtaining descriptive information may also be enhanced by constructing multiple profiles and performing multiple profile matches. For example, three profiles may be constructed such that the removal of an entire track from a
35 disk would only cause a match failure of one of the three profiles. If two of the three profiles are successfully matched then the enhanced routine of FIGURE 3 would return the appropriate descriptive information.

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It is important to note that a media stack similar to the media stack 105 of jukebox 100 may be incorporated into the television system 200 of FIGURE 2. FIGURE 2 shows a block diagram of a television system according to the invention. The
5 television system 200 receives a video signal 210, e.g., a demodulated and forward error corrected RCA® DSS® satellite system data stream. The received data stream 210 is coupled to a transport unit 220 which transports the data stream 210 to an audio and video decoder unit 230. An NTSC encoder unit 240
1 0 receives decoded audio and video information from decoder unit 230 and encodes the information into e.g., an NTSC composite video signal. The NTSC signal is then coupled to a display means 260 via, e.g., a VCR 250.

A controller 225, including an infrared (IR) receiver, is
1 5 responsive to commands transmitted to the controller via an IR transmitter unit 270. The controller 225 generates on-screen display (OSD) signals which are useful for displaying the various operational and programming options available to a user. Transport unit 220, which is responsive to the controller 225,
2 0 receives the OSD signals from the controller 225 and inserts the OSD signals into the data stream to be displayed. The user of the television system 200 may transmit commands to the controller 225 by pressing various keys on remote control unit 270. The user may be make decisions utilizing an on-screen selection guide
2 5 produced by the OSD signals.

A media reader 215 capable of reading program information stored on a medium 205 is controlled by the controller 225. As previously discussed, the stored program information is arranged on the medium according to various physical and logical
3 0 characteristics and may comprise, e.g., audio or video programs. As previously mentioned, a media stack similar to the media stack 105 of jukebox 100 may be incorporated into the television system 200 of FIGURE 2.

Controller 225 is coupled to a local database 235 and to
3 5 supporting memory and processing elements (not shown). The local database 235 is used for storing a plurality of profiles and associated descriptive information. One of the plurality of profiles

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may match a profile of program information be stored on the media
105. The descriptive information may be obtained using a method
similar to that presented in FIGURE 3 and described above with
respect to the jukebox 100.

5   A database suitable for use as local database 235 may
be formed in a manner similar to that of the local database 135
used by jukebox 100 of FIGURE 1. The local database 235 may be
augmented further by including video-specific or LaserDisk-specific
information, such color sampling, Hi-Fi audio encoding or surround
10 sound samples, category / sub-category descriptions, program
descriptions, etc. An optional remote database 255 may be
accessed by the controller 225 via an optional communications link
245 as previously described with respect to the remote database
155 accessed by the jukebox 100 of FIGURE 1. The remote
15 database 255 may also include video-specific or LaserDisk-specific
information. The remote database 255 may also include profile
processing means as previously described.

           It is important to note that the local database 235 may
be used as an on-screen program selector database. In this case,
20 the local database 235 is utilized by the controller 225 as a raw
data source for the on-screen display of selection information. The
controller 225 processes the raw data to form the desired OSD
signals, which are then sent to transport unit 120 for insertion into
the data stream to be displayed.

25   While it is entirely possible to simply display the raw
data as text, graphics-oriented technology provides a more pleasing
visual representation of the data. Thus, the controller 225
constructs objects and links these objects to the raw data. An
object is simply a representation of information, possibly a
30 graphical representation such as the familiar icons used in the
Apple® Macintosh® or Microsoft® Windows® graphical user
interfaces. In this case the represented information is a television
program to be broadcast in the future or a video or audio program
stored on a local medium (e.g., audio CD, LaserDisk, DAT, etc.) which
35 is accessed via a local media player. The controller 225 causes the
objects to be sent to transport unit 120 for display. The viewer
selects a program from the on-screen display for immediate or
future viewing or recording by manipulating respective objects

within the on-screen display using, e.g., cursor keys on a remote control device.

It will be apparent to those skilled in the art, that although the invention has been described in terms of specific

5 examples, modifications and changes may be made to the disclosed embodiments without departing from the essence of the invention. For example, while the invention has been described primarily with respect to audio compact disks, it may be practiced with any pre-recorded media, such as LaserDisks, digital audio tape (DAT), video

10 tape, etc.. The inventive method advantageously procures content-descriptive information applicable to the data stored on any pre-recorded medium as long as the descriptive information exists in an accessible database.

It should also be noted that the video data stream 210

15 of television system 200 may be any type of video signal (e.g., NTSC, PAL, SECAM, HDTV, etc.). A digital data stream is disclosed in the exemplary embodiment; however, a digital data stream is not necessary to the practice of the invention.

CLAIMS

1.   A method for identifying the information content
of a prerecorded medium comprising the steps of:
5   determining a characteristic profile of said information
content of said prerecorded medium;
            accessing a data storage device having a plurality of
stored characteristic profiles, each of said stored characteristic
profiles being associated with an information content indicia;
10   matching said determined characteristic profile to a one
of said plurality of stored characteristic profiles; and
            retrieving said information content indicia associated
with said one stored characteristic profile.

15   2.   The method of claim 1 wherein the step of
accessing said data storage device comprises the steps of:
            establishing a communications channel to a provider of
said plurality of stored characteristic profiles; and
            transmitting said determined characteristic profile to
20 said provider via said communications channel.

3.   The method of claim 2 wherein the step of
accessing said data storage device further comprises the steps of:
            transmitting at least one of authorization information
25 and identification information to said provider via said
communications channel.

4.   The method of claims 2 or 3 wherein:
            said matching step is performed by said provider; and
30   said information content indicia is retrieved from said
provider via said communications channel.

5.   The method of claim 1 wherein said prerecorded medium comprises an audio compact disk and said characteristic profiles include a number of tracks per disk parameter and a
5   length of each track parameter; said matching step includes the steps of:

comparing in a first comparison step said number of tracks per disk parameter of said determined characteristic profile to said number of tracks per disk parameters of said plurality of
10 stored characteristic profiles, said comparison resulting in a first group of said plurality of stored characteristic profiles, each member of said first group having the same number of tracks as said determined characteristic profile; and

comparing in a second comparison step said length of
15 each track parameter of said determined characteristic profile to said length of each track parameters first group of said plurality of said stored characteristic profiles to determine said matching one of said plurality of stored profiles.

20   6.   The method of claim 5 wherein said second comparing step includes the steps of:

determining if a matching one of said plurality of stored profiles has been found, and in the case where a matching one has not been found:
25   repeating said second comparison step using a window function, wherein said window comprises a predetermined amount of time surrounding said length of each track parameter of said determined characteristic profile.

30   7.   The method of claim 1 wherein said prerecorded medium comprises a LaserDisk.

8.   Apparatus comprising:

means (115,125) for examining an information carrying medium and for determining a characteristic profile of said
5   information carried by said medium, said determined characteristic profile comprising at least one of a plurality of physical and logical characteristics related to the arrangement of said information by said medium;

means (135) for matching said determined
10 characteristic profile to one of a plurality of stored characteristic profiles, each of said stored characteristic profiles being associated with respective information content indicia;

means (125) for retrieving said information content indicia associated with said one matching stored characteristic
15 profile.

9.   The apparatus of claim 8, further comprising:

means (145) for retrieving said stored characteristic profiles and said associated information content indicia from a
20 remote data storage device (155).

10.   Autoprogramming method for use in a jukebox, comprising the steps of:

(a) selecting one of a plurality of storage media included in
25 said jukebox;

(b) determining a characteristic profile of programming information stored on said one of said plurality of storage media;

(c) accessing a data storage device having a plurality of stored characteristic profiles, each of said stored characteristic profiles
30 being associated with an information content indicia;

(d) matching said determined characteristic profile to a one of said plurality of stored characteristic profiles;

(e) retrieving said information content indicia associated with said one stored characteristic profile;
35   (f) storing said information content indicia associated with said one stored characteristic profile; and

(g) repeating steps (b) through (f) for at least one additional medium of said plurality of media.

1/4

100
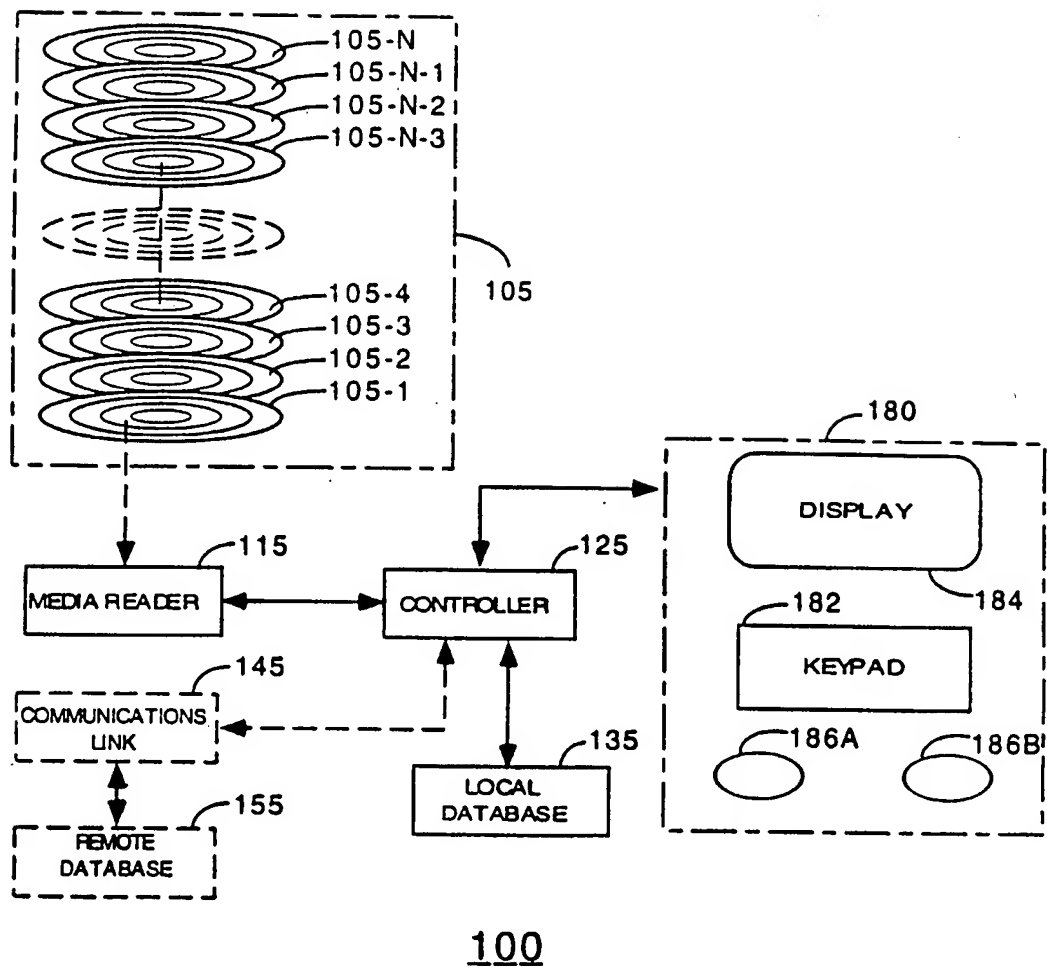
FIGURE 1

2/4

FIGURE 2

FIGURE 3

300

4/4

```
                    ENTER  ─── 410

                      │
                      ▼
              SELECT 1ST CD  ─── 415

                      │
                      ▼
          DETERMINE PROFILE AND  ─── 300
          RETRIEVE DESCRIPTIVE
          INFORMATION

                      │
                      ▼
```
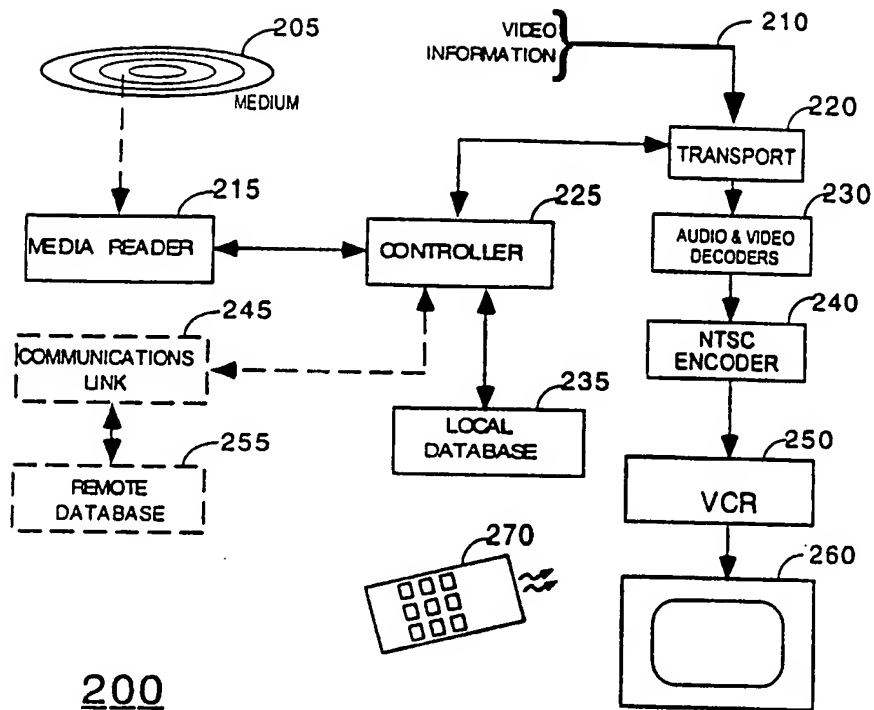
WAS A MATCH FOUND? ─── 420   NO →   DESCRIBE MANUALLY? ─── 425   YES →   MANUAL ROUTINE ─── 430

YES ─── 440   NO ─── 435

ADD DESCRIPTIVE INFORMATION TO SELECTION GUIDE ─── 440

REMOVE CD FROM SELECTION GUIDE ─── 435

SELECT NEXT CD ─── 450   NO   LAST CD ? ─── 445

YES ─── 455

EXIT
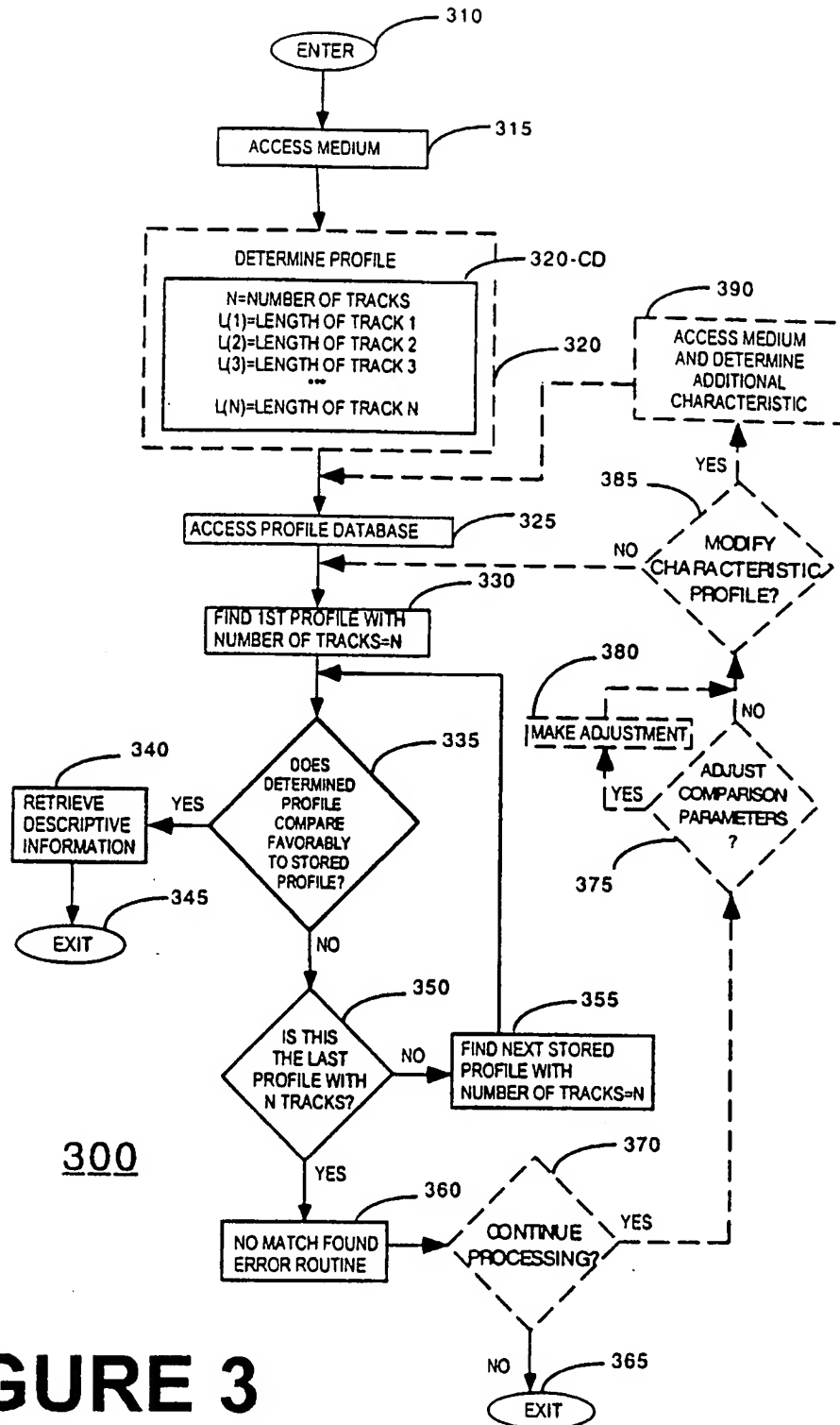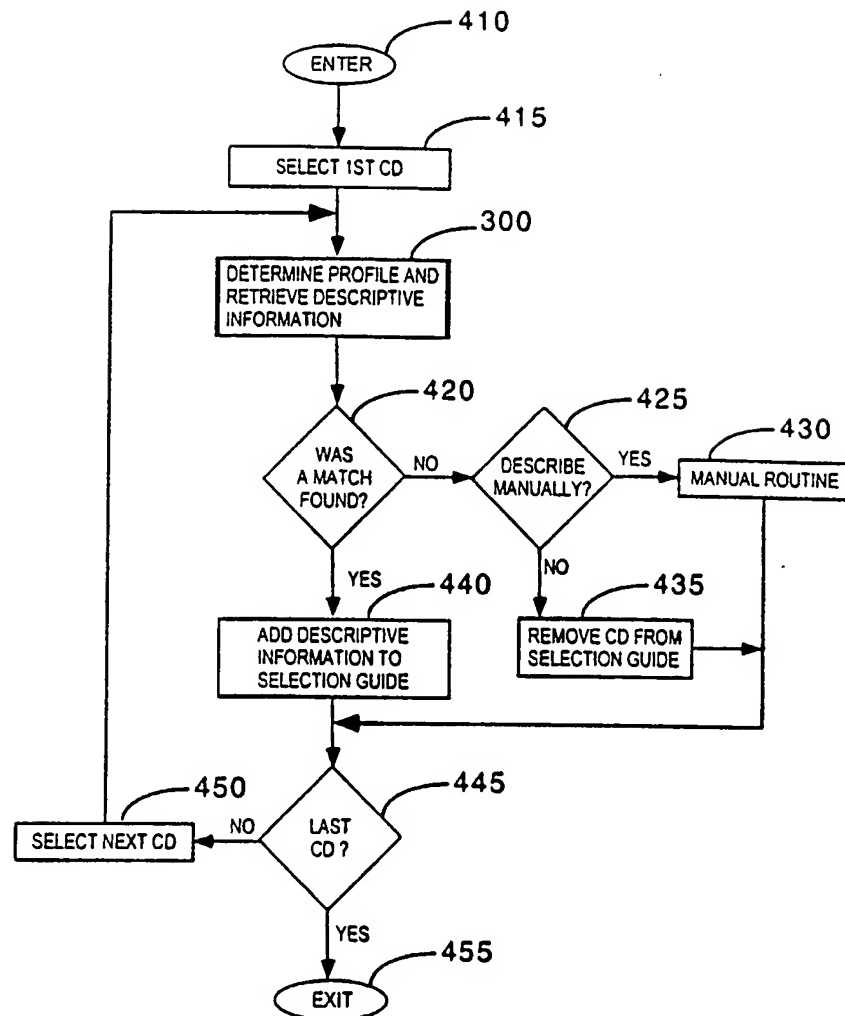
400

FIGURE 4

INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6   G11B27/00   G11B27/11   G11B27/34   H04N7/173

According to International Patent Classification(IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6   G11B   H04N   G07F   H04H   G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 97 05616 A (SONY ELECTRONICS INC) 13 February 1997 see the whole document ---	1-10
X	US 4 872 151 A (SMITH MICHAEL A) 3 October 1989 see abstract see column 1, line 24 - line 38 see column 3, line 64 - column 4, line 36 see column 8, line 38 - column 9, line 65 see figure 7 ---	1,5-8,10
X	WO 92 07360 A (MORO MARIO) 30 April 1992 see the whole document	1,7,8,10
A		5,6,9
	--- -/--	

[X] Further documents are listed in the continuation of box C.   [X] Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publicationdate of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of theinternational search	Date of mailing of the international search report
19 March 1998	27/03/1998

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Daalmans, F

3

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category°	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 262 940 A (SUSSMAN LESTER) 16 November 1993 see the whole document ---	1,5,7-10
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 507 (P-1291), 20 December 1991 & JP 03 219486 A (NEC HOME ELECTRON LTD), 26 September 1991, see abstract ---	1,5,7,8,10
A	PATENT ABSTRACTS OF JAPAN vol. 016, no. 089 (P-1320), 4 March 1992 & JP 03 272074 A (FUJITSU LTD), 3 December 1991, see abstract ---	1,5,7,8,10
A	PATENT ABSTRACTS OF JAPAN vol. 095, no. 005, 30 June 1995 & JP 07 036757 A (NEC CORP), 7 February 1995, see abstract ---	1,5,7-10
A	EP 0 425 168 A (SONY CORP) 2 May 1991 see the whole document ---	1,7,10
A	EP 0 485 740 A (GRUNDIG EMV) 20 May 1992 see the whole document ---	1,8,10
A	US 4 870 515 A (STOKES RICHARD A) 26 September 1989 see column 3, line 1 - line 56 see column 6, line 10 - line 14 see column 8, line 8 - line 37 see column 10, line 17 - line 26 see column 11, line 25 - column 12, line 22 -----	1-5,10

3

INTERNATIONAL SEARCH REPORT

Information on patent family members

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9705616 A	13-02-97	AU 6344896 A	26-02-97
US 4872151 A	03-10-89	NONE	
WO 9207360 A	30-04-92	NONE	
US 5262940 A	16-11-93	NONE	
EP 0425168 A	02-05-91	JP 3134883 A DE 69019669 D DE 69019669 T US 5107343 A	07-06-91 29-06-95 11-01-96 21-04-92
EP 0485740 A	20-05-92	DE 4035888 A DE 9116657 U	14-05-92 19-05-93
US 4870515 A	26-09-89	NONE	

From Mike.Olson at fourthought.com Tue Dec 3 21:27:58 2002 From: Mike.Olson at fourthought.com (Mike Olson) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] minidom - Domlette help In-Reply-To: <1038495912.20267.32.camel@serious> References: <1038495912.20267.32.camel@serious> Message-ID: <1038976079.3180.5.camel@penny> On Thu, 2002-11-28 at 08:05, Joseph Santaniello wrote: > Hello All, Sorry been out for a bit. Has this been fixed? If not, can you add the following lines of code > > I have been working on a program using minidom. Here is a sample exerpt: > > from xml.dom.minidom import * > > dom = parseString(xml_str) > > t = > document.getElementsByTagName("message")[0].attributes.get("type").value > > print t print document print document.getElementsByTagName("message") print document.getElementsByTagName ("message")[0].attributes print document.getElementsByTagName("message")[0].attributes.keys() print document.getElementsByTagName("message")[0].attributes.values() thanks > > > This works. > > Now I'm trying to add validation: > > from Ft.Xml.Domlette import ValidatingReader > > dom = ValidatingReader.parseString(xml_str, "http://localhost/") > # works nicely, thows exections when my DTD isn't adhered to > > #But here's the problem: > > t = > document.getElementsByTagName ("message")[0].attributes.get("type").value > (traceback) > AttributeError: 'NoneType' object has no attribute 'value' > > What should I be doing to have minidom-like access to validated > documents? > > I'm using Python 2.2.1 on RH with 4Suite-0.12.0a3 and PyXML-0.8.1 I have > tried also with PyXML 0.8 too (I think, but I'm not sure if it is > installing over 0.8.1 which I tried first.) > > All suggestions greatly appreciated. > > > -- > Joseph Santaniello > CD9410F8 > >
_____ > 4suite **mailing list** >
4suite@lists.fourthought.com > http://lists.fourthought.com/mailman/listinfo/4suite -- Mike Olson Principal Consultant mike.olson@fourthought.com +1 303 583 9900 x 102 Fourthought, Inc. http://Fourthought.com PO Box 270590, http://4Suite.org Louisville, CO 80027-5009, USA XML strategy, XML tools, knowledge management From noreply at sourceforge.net Wed Dec 4 00:56:42 2002 From: noreply at sourceforge.net (noreply@sourceforge.net) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] [foursuite-Bugs-648255] Processor.warning() prints function call Message-ID: Bugs item #648255, was opened at 2002-12-04 00:56 You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=648255&group_id=39954 Category: 4XSLT Group: None Status: Open Resolution: None Priority: 5 Submitted By: Mike Brown (mike_j_brown) Assigned to: Nobody/Anonymous (nobody) Summary: Processor.warning() prints function call Initial Comment: When Processor.warning() is called, the warning message on stderr is inexplicably followed by " warnings.warn(message)" -- --------- You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=648255&group_id=39954 From martin at v.loewis.de Wed Dec 4 01:48:11 2002 From: martin at v.loewis.de (Martin v. =?iso-8859-15?q?L=F6wis?=) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] minidom - Domlette help In-Reply-To: <1038976079.3180.5.camel@penny> References: <1038495912.20267.32.camel@serious> <1038976079.3180.5.camel@penny> Message-ID: Mike Olson writes: > Sorry been out for a bit. Has this been fixed? No, although it has been worked-around by using getAttributeNS. > print document > print document.getElementsByTagName("message") > print document.getElementsByTagName

("message")[0].attributes > print document.getElementsByTagName("message")[0].attributes.keys() > print document.getElementsByTagName("message")[0].attributes.values() [] {(None, u'version'): , (None, u'queue'): , (None, u'type'): , (None, u'id'): } [(None, u'version'), (None, u'queue'), (None, u'type'), (None, u'id')] [, , ,] Regards, Martin From noreply at sourceforge.net Wed Dec 4 02:55:42 2002 From: noreply at sourceforge.net (noreply@sourceforge.net) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] [foursuite-Bugs-648302] RTFs don't normalize text nodes Message-ID: Bugs item #648302, was opened at 2002-12-04 02:55 You can respond by visiting: https://sourceforge.net/tracker/? func=detail&atid=428292&aid=648302&group_id=39954 Category: 4XSLT Group: v0.12.0b Status: Open Resolution: None Priority: 5 Submitted By: Mike Brown (mike_j_brown) Assigned to: Mike Brown (mike_j_brown) Summary: RTFs don't normalize text nodes Initial Comment: Result tree fragments should not have multiple adjacent text nodes, but RtfWriter will create them. This causes the TreeCompare function to fail in the test suites when dealing with such anomalies. I have fixed it and will check in a patch soon. -- You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=648302&group_id=39954 From heha at iki.fi Wed Dec 4 03:01:46 2002 From: heha at iki.fi (Heikki Halonen) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] mod_python with 4Suite tools Message-ID: Hi I posted this to mod_python's **mailing list**, I thought you might be interested too. I'm having hard time trying to make 4Suite tools co-operate with mod_python (or vice versa). I'm using Python 2.2.2, Apache 2.0.43, mod_python 3.0.1 and newest 4Suite development version. My system is Debian unstable. python2.2-xml package is not installed. The test program is in the end of this mail, the program works perfectly when run from the command line. When requested by mod_python, however, it 'obfuscates' the XML document. Characters used in marking print out fine but everything else is some random binary data. I figured out that it probably has something to do with encoding and added the following lines to sitecustomize.py, as somebody advised in some distantly similar problem: u'hello'.encode('UTF-8') u'hello'.encode('iso8859-1') This did not help, whatsoever. I have no clue anymore where the problem could be or how it could be corrected. Any suggestions? The same kind of code works fine in mod_python 2.7.8 running in Apache 1.3.26 with Python 2.1 and 4Suite version 0.11.1.

```
#!/usr/bin/python2.2 import sys, os, string from Ft.Lib import Uri from Ft.Xml.Xslt import XmlWriter,
Processor, OutputParameters from Ft.Xml import Domlette, InputSource def processXML(): mybase =
'http://www.heha.iki.fi/~heha/poll_dev/' mypath = '/home/heha/public_html/poll_dev/' pollfile =
mybase+'polls/quiz_1.xml' pollxsl = mybase+'quiz2html.xsl' debugfile = open( mypath+'poll.log', 'w' )
processor = Processor.Processor() node = Domlette.NonvalidatingReader.parseUri( pollfile )
Domlette.Print( node, debugfile, encoding='iso8859-1' ) stylesheet =
InputSource.DefaultFactory.fromUri( pollxsl ) processor.appendStylesheet( stylesheet ) #op =
OutputParameters.OutputParameters() #op.encoding = 'iso8859-1' #op.omitXmlDeclaration = 1 #writer
= XmlWriter.XmlWriter( op ) processed_node = processor.runNode( node, Uri.OsPathToUri( pollfile,
1) ) debugfile.write( processed_node ) debugfile.close() return processed_node if __name__ ==
"__main__": print processXML() else: from mod_python import apache def handler( req ): req.write
( processXML() ) return apache.OK Heikki Halonen # heha@iki.fi # iki.fi/heha # +358 40 828 9972
```

"The easy way ain't hard enough and the hard way is such a lonely lonely path" From mike at skew.org Wed Dec 4 03:27:11 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] mod_python with 4Suite tools In-Reply-To: "from Heikki Halonen at Dec 4, 2002 12:01:46 pm" Message-ID: <200212041027.gB4ARBGp071717@chilled.skew.org> Heikki Halonen wrote: > I'm having hard time trying to make 4Suite tools co-operate with > mod_python (or vice versa). I'm using Python 2.2.2, Apache 2.0.43, > mod_python 3.0.1 and newest 4Suite development version. My system is > Debian unstable. python2.2-xml package is not installed. > [...] > The same kind of > code works fine in mod_python 2.7.8 running in Apache 1.3.26 with Python > 2.1 and 4Suite version 0.11.1. That is a huge difference in systems there! Wish you could narrow it down a bit further. I doubt we can test on Apache 2.0 anytime soon. > The test program is in the end of this mail, the program works perfectly > when run from the command line. When requested by mod_python, however, it > 'obfuscates' the XML document. Characters used in marking print out fine > but everything else is some

random binary data. I'd like to see an example of this. I'm skeptical that it's a 4Suite problem, though. > I figured out that it > probably has something to do with encoding and added the following lines > to sitecustomize.py, as somebody advised in some distantly similar > problem: > > u'hello'.encode('UTF-8') > u'hello'.encode('iso8859-1') Well that certainly wouldn't do anything. Is that what you meant to paste? Perhaps you meant sys.setdefaultencoding('iso-8859-1') or sys.setdefaultencoding('utf-8') (you'd only want one or the other). However I am guessing that this isn't the root of the problem anyway. Most likely, whatever's coming out of Apache is misdeclaring or failing to declare its encoding, and whatever you're viewing it with doesn't like that. If you point to a URL where we can see this in action, it would help. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From noreply at sourceforge.net Wed Dec 4 07:27:11 2002 From: noreply at sourceforge.net (noreply@sourceforge.net) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] [foursuite-Bugs-648416] cDomlette.createDocument leaks Message-ID: Bugs item #648416, was opened at 2002-12-04 14:27 You can respond by visiting: https://sourceforge.net/tracker/? func=detail&atid=428292&aid=648416&group_id=39954 Category: General Group: None Status: Open Resolution: None Priority: 5 Submitted By: Thomas Leonard (tal197) Assigned to: Nobody/Anonymous (nobody) Summary: cDomlette.createDocument leaks Initial Comment: from Ft.Xml.Domlette import implementation for x in range(100000): doc = implementation.createDocument(None, 'root', None) The above code consumes vast amounts of memory, unless run with USE_MINIDOM=1. Replace 'root' with None and memory usage is constant. Adding: Py_DECREF(elem); to domimplementation.c:182 seems to fix it... -- You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=648416&group_id=39954 From uche.ogbuji at fourthought.com Thu Dec 5 18:07:24 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] PostgreSQL backend: VACUUM ? In-Reply-To: References: Message-ID: <1039136844.10591.92.camel@localhost.localdomain> On Wed, 2002-11-27 at 11:30, Mike.Olson wrote: > On 26 Nov 2002, Vladimir Bormotov wrote: > > > Hi! > > > > ank:~# /usr/local/lib/python2.2/site-packages/Ft/Share/Bin/4ss_manager start > > 4SS Manager Name: sa > > Password for sa: > > controller started (pid 36176) > > ank:~# > > ank:~# NOTICE: Skipping "pg_group" --- only table or database owner can VACUUM it > > NOTICE: Skipping "pg_database" --- only table or database owner can VACUUM it > > NOTICE: Skipping "pg_shadow" --- only table or database owner can VACUUM it > > > > If you remove the DbMaintenance tag from your 4SS config file then it will > not try to VACUUM the database. Hmm. But it would be nice if he didn't have to disable it, I imagine. Do you know why it's trying to vacuum as the wrong PG user? -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From uche.ogbuji at fourthought.com Fri Dec 6 00:01:53 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] 4edit (was: Through-the-Web editing considered harmful) In-Reply-To: <20021126120914.GA22145@phd.pp.ru> References: <20021125134752.GA17891@phd.pp.ru> <20021126120914.GA22145@phd.pp.ru> Message-ID: <1039158113.10583.112.camel@localhost.localdomain> On Tue, 2002-11-26 at 05:09, Oleg Broytmann wrote: > Hello! > > My next version. In this version I run "save - edit" in a loop - to help > the user to resolve problems (most probably not well-formed XML) without > loosing his/her edit. Thanks so much for this contribution. I pasted it into the Akara page I wrote on this thread: http://uche.ogbuji.net/tech/akara/4suite/editor/ -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From heha at iki.fi Fri Dec 6 04:31:27 2002 From: heha at iki.fi (Heikki Halonen) Date: Sat Aug 26 17:46:12 2006 Subject:

[4suite] mod_python with 4Suite tools In-Reply-To: <200212041027.gB4ARBGp071717@chilled.skew.org> Message-ID: On Wed, 4 Dec 2002, Mike Brown wrote: > > The same kind of > > code works fine in mod_python 2.7.8 running in Apache 1.3.26 with Python > > 2.1 and 4Suite version 0.11.1. > > That is a huge difference in systems there! > Wish you could narrow it down a bit further. > I doubt we can test on Apache 2.0 anytime soon. Well, I see what I can do. This is not my main project, so it could take some time. The same problem seemed to appear with 0.11.99 installed from a Debian package, though. > > u'hello'.encode('UTF-8') > > u'hello'.encode('iso8859-1') > > Well that certainly wouldn't do anything. Is that what you meant to paste? > Perhaps you meant > sys.setdefaultencoding('iso-8859-1') > or > sys.setdefaultencoding('utf-8') > (you'd only want one or the other). That's actually what I meant to paste, I found the tip from mod_python's **mailing list archive**. You can find the posting here: http://www.modpython.org/pipermail/mod_python/2002-November/002684.html. > However I am guessing that this isn't the root of the problem anyway. > Most likely, whatever's coming out of Apache is misdeclaring or failing > to declare its encoding, and whatever you're viewing it with doesn't > like that. If you point to a URL where we can see this in action, it > would help. Here's a URL: http://www.heha.iki.fi:8080/~heha/test/testxml.py. You might need to push 'Refresh' to get anything usable. What you actually get is escaped characters, the actual data has disappeared strangely. What's most intriguing is that the data actually *is* random, it differs between the requests. I think that this might be some problem rooting from clashing C libraries. Any ideas how to fix this are welcome. Heikki Halonen # heha@iki.fi # iki.fi/heha # +358 40 828 9972 "The easy way ain't hard enough and the hard way is such a lonely lonely path" From mike at skew.org Fri Dec 6 13:50:43 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] mod_python with 4Suite tools In-Reply-To: "from Heikki Halonen at Dec 6, 2002 01:31:27 pm" Message-ID: <200212062050.gB6KohNv085596@chilled.skew.org> Heikki Halonen wrote: > Here's a URL: http://www.heha.iki.fi:8080/~heha/test/testxml.py. You might > need to push 'Refresh' to get anything usable. What you actually get is > escaped characters, the actual data has disappeared strangely. What's > most intriguing is that the data actually *is* random, it differs between > the requests. I think that this might be some problem rooting from > clashing C libraries. Any ideas how to fix this are welcome. OK I went to that URL and got a string like 那琊忄口那忄忄憎番口 叁Д馮湢口淵棤口 that goes on for a bit longer than that. This is not random! My first thought is that you've got an issue with UTF-16 byte order swapping. If you take the hex equivalents of those numbers... 740a 740a 2020 4033 740a 2020 2020 6152 756a 2061 c376 c3a4 6ea4 6f74 2061 6f72 696b 206e and swap the byte order and look at them one byte at a time.. 0a 74 0a 74 20 20 33 40 0a 74 20 20 20 20 52 61 6a 75 61 20 76 c3 a4 c3 a4 6e 74 6f 61 20 72 6f 6b 69 6e 20 and then interpret these as utf-8, you get... t t 3@ t Rajua v?ntoa rokin ...which looks suspiciously like some of the text in http://www.heha.iki.fi:8080/~heha/poll_dev/polls/quiz_1.xml So, somewhere en route, your characters are being converted to utf-8 bytes, these bytes are being mistakenly decoded as if they were utf-16 or ucs-2 little-endian, and then they're being serialized as numeric character references in an 8-bit encoding for final output. Does this help? Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From Mike.Olson at fourthought.com Sat Dec 7 10:05:13 2002 From: Mike.Olson at fourthought.com (Mike Olson) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] PostgreSQL backend: VACUUM ? In-Reply-To: <1039136844.10591.92.camel@localhost.localdomain> References: <1039136844.10591.92.camel@localhost.localdomain> Message-ID: <1039280714.6071.11.camel@penny> On Thu, 2002-12-05 at 18:07, Uche Ogbuji wrote: > On Wed, 2002-11-27 at 11:30, Mike.Olson wrote: > > On 26 Nov 2002, Vladimir Bormotov wrote: > > > > > Hi! > > > > > > ank:~# /usr/local/lib/python2.2/site-packages/Ft/Share/Bin/4ss_manager start > > > 4SS Manager Name: sa > > > Password for sa: > > > controller started (pid 36176) > > > ank:~# > > > ank:~# NOTICE: Skipping "pg_group" --- only table or database owner can VACUUM it > > > NOTICE: Skipping "pg_database" --- only table or database owner can VACUUM it > > > NOTICE: Skipping "pg_shadow" --- only table or database owner can VACUUM it > > > > > > If you remove the DbMaintenance tag from your 4SS config file then it will > > not try to VACUUM the database. > >

Hmm. But it would be nice if he didn't have to disable it, I imagine. > Do you know why it's trying to vacuum as the wrong PG user? Either: a) He has specified a user in the 4ss config file that is not the owner of the database. b) PG defaults to your unix user name when no user name is specified. So this user is not the owner of the database. To get around this he should add a user name (and password) to his 4ss config file that is a DB owner. Or, have the actual DB owner do his own maintence on the DB. Mike > > > -- > Uche Ogbuji Fourthought, Inc. > http://uche.ogbuji.net http://4Suite.org http://fourthought.com > Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html > Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html > RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html > Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html -- Mike Olson Principal Consultant mike.olson@fourthought.com +1 303 583 9900 x 102 Fourthought, Inc. http://Fourthought.com PO Box 270590, http://4Suite.org Louisville, CO 80027-5009, USA XML strategy, XML tools, knowledge management From uche.ogbuji at fourthought.com Mon Dec 9 08:49:40 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] 4Suite on HP-UX In-Reply-To: References: Message-ID: <1039448980.15384.6.camel@localhost.localdomain> On Fri, 2002-11-29 at 01:07, Cettinich Edwin (LWE) wrote: > Hello, > > I'm trying to get 4Suite 0.12.0a3 operatable on an HP-UX 11.00 system and I'd like to know > if anyone was already successful. > > In particular I have Python 2.2.1 and PyXML 0.8.0, both built up and installed from the sources > and both working well. Now I got 4suite-0.12.0A3 and did the normal "python setup.py install". > > The quick test > from Ft.Xml import Domlette > from Ft.Xml.Xslt import Processor > print Processor > works. > > File 4ss.config is as described in Appendix A in the guide "Installing 4Suite on UNIX". > Variables PATH, FTSERVER_CONFIG_FILE and FTSS_FLAT_FILE_ROOT do > have the appropriate values. > "4ss_manager init --noprompt" brings up a "Bus error(coredump)". > Neither /tmp/4ss.pid nor /tmp/4ss.log are created. > > Setting USE_MINIDOM=1 lets 4ss_manager work, but > cd ..../lib/python/site-packages/Ft/Share/Tests > python test.py Xml > still rises a "Bus error". > > Does anyone have an idea where to look or what to check? HP-UX and Mac OS X seem to be the big uglies for compiling a working 4Suite. I don't know that we'll ever be able to get working ports on those platforms without some help from people who understand C programming issues on those platforms very well. FreeBSD, Linux and Solaris do work just fine. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From uche.ogbuji at fourthought.com Mon Dec 9 10:36:56 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] Solution for Mac OS X? Message-ID: <1039455415.15378.115.camel@localhost.localdomain> Paul Prescod discovered the following trick which he says fixes the bus error problems for him: $ cat /tmp/keepsymbols _initcDomlettec $ sudo nmedit -s /tmp/keepsymbols cDomlettec.so Can others on Mac OS X try this and tell me if it changes matters for you? Even more importantly, can anyone explain what the devil this flourish is, and why Mac OS X requires it :-) -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From uche.ogbuji at fourthought.com Mon Dec 9 10:31:12 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:12 2006 Subject: [4suite] Update Versa page Message-ID: I reorganized and added some useful material to my Versa page: http://uche.ogbuji.net/tech/rdf/versa/ -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-

106.ibm.com/developerworks/webservices/library/ws-p yth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-deb ugxs.html From spierre at lautre.net Mon Dec 9 11:33:18 2002 From: spierre at lautre.net (=?ISO-8859-1?Q?S=E9bastien_Pierre?=) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Solution for Mac OS X? In-Reply-To: <1039455415.15378.115.camel@localhost.localdomain> Message-ID: Le lundi, 9 dc 2002, 18:36 Europe/Paris, Uche Ogbuji a crit : > Paul Prescod discovered the following trick which he says fixes the bus > error problems for him: > > $ cat /tmp/keepsymbols > _initcDomlettec > $ sudo nmedit - s /tmp/keepsymbols cDomlettec.so > > Can others on Mac OS X try this and tell me if it changes matters for > you? Err... I don't remember "how to get" core dumps... The error I get now is rather: Traceback (most recent call last): File "test_domlette.py", line 2, in ? from Ft.Xml import cDomlette File "/sw/lib/python2.2/site-packages/Ft/Xml/cDomlette.py", line 14, in ? import cDomlettec ImportError: Failure linking new module Doing what Paul advices seems to make cDomlette work fine, except the test.py that finishes like that: %%%%%%%%%%% Coverage Test %%%%%%%%%%%% Verifing called functions (0.007 secs) [WARN] ::::::::: Borrowed ::::::::: %%%%%%%%%%%% af_20000922 %%%%%%%%%%%% %%%%%%%%%%%% ag_20000713 %%%%%%%%%%%% Segmentation fault Here is nmedit manpage: DESCRIPTION Nmedit changes the global symbols not listed in the list_file file of the -s list_file option to static sym- bols. Undefined symbols and common symbols are not effected and shouldn't be listed in list_file. For dynamic libraries symbols are turned into private extern symbols that are no longer external (rather than static symbols). This is done so that the references between modules of a dynamic library are resolved to the symbols in the dynamic library. Nmedit differs from strip(1) in that it also changes the symbolic debugging information (produce by the -g option to cc(1)) for the global symbols it changes to static symbols so that the resulting object can still be used with the debugger. Nmedit like strip(1) is useful to limit the symbols for use with later linking. This allows control of the inter- face that the executable wants to provide to the objects that it will dynamically load, and it will not have to publish symbols that are not part of its interface. For example an executable that wishes to allow only a subset of its global symbols but all of the shared libraries globals to be used would have its symbol table edited with: % nmedit -s interface_symbols -A executable where the file interface_symbols would contain only those symbols from the executable that it wishes the objects loaded at runtime to have access to. Another example is an object that is made up of a number of other objects that will be loaded into an executable would built and then have its symbol table edited with: % ld -o relocatable.o -r a.o b.o c.o % nmedit -s interface_symbols relocatable.o which would leave only the symbols listed in the file interface_symbols (and the undefined and common symbols) as global symbols in the object file. The one or more of the following options is required to nmedit(1) is: -s filename Leave the symbol table entries for the global sym- bols listed in filename global but turn all other global symbols (except undefined and common sym- bols) into static symbols. The symbol names listed in filename must be one per line. Leading and trailing white space are not part of the symbol name. Lines starting with # are ignored, as are lines with only white space. .... Hope this will enlighten you ;) -- Sbastien -- Le soleil est Dieu -- Turner, avant de mourir From martin at v.loewis.de Mon Dec 9 11:37:25 2002 From: martin at v.loewis.de (=?iso-8859-1?Q? Martin_v._L=F6wis?=) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Solution for Mac OS X? References: <1039455415.15378.115.camel@localhost.localdomain> Message-ID: <01b801c29fb2 $050f9ea0$f92fe8d9@mira> > Even more importantly, can anyone explain what the devil this flourish > is, and why Mac OS X requires it :-) Google is your friend: http://www.hmug.org/man/1/nmedit.html is a man page for that utility; -s arranges to make symbols except those listed in the file to become static symbols. If this helps for anything, I would suspect that you have duplicate symbols somewhere, and that symbols of different shared libraries were interfering. On real Unices (i.e. the SysV ones :-), this problem is solved by Python, and using RTLD_LOCAL for symbol resolution - symbols from different extension modules then cannot interfere. On OS X, this same problem is supposed to be solved using "two-level namespaces", see http://www.hmug.org/man/1/ld.html Unfortunately, OS X 10.0 behaves differently than later releases, which appears to contribute to the confusion around that feature; 10.0 had "flat" namespaces by default, later versions "two-level" namespaces. In two-level namespaces, the same

symbol may resolve to different addresses if referred-to from different images. In flat namespaces, there is only a single global definition of the symbol. So "two-level" is safer than "flat" if there are potentially competing definitions. Unfortunately, "two-level" requires that all undefined symbols are resolved when the executable or shared library is created. For Python, this is unsuitable, since some symbols come from the Python binary. One approach then would be to use the same strategy that is used on Windows, i.e. require a shared libpython that all extensions link against. That, of course, complicates the deployment of Python, as you now not only need to find the executable, but also the shared library. Various other magic things interfere with all this, such as "frameworks", "bundles", "umbrella frameworks", and "RLD". Different Mac experts suggest different strategies. Regards, Martin From uche.ogbuji at fourthought.com Mon Dec 9 11:28:22 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Solution for Mac OS X? In-Reply-To: <01b801c29fb2 $050f9ea0$f92fe8d9@mira> References: <1039455415.15378.115.camel@localhost.localdomain> <01b801c29fb2$050f9ea0$f92fe8d9@mira> Message-ID: <1039458502.15378.194.camel@localhost.localdomain> On Mon, 2002-12-09 at 11:37, Martin v. Lwis wrote: > > Even more importantly, can anyone explain what the devil this flourish > > is, and why Mac OS X requires it :-) > > Google is your friend: > > http://www.hmug.org/man/1/nmedit.html Thanks. I do that a lot, so I guess I should be a good sport about the boomerang. I was really more writing tongue-in check than genuinely interested in pumbing the depths of Mac OS X arcana right now. I'm trying to clear too much accumulated cruft off my plate as it is. Anyway, I'm sure your explanation will be helpful to anyone who would like to contribute general recipes for 4Suite on Mac OS X. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From uche.ogbuji at fourthought.com Mon Dec 9 11:29:39 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Solution for Mac OS X? In-Reply-To: References: Message-ID: <1039458579.15384.199.camel@localhost.localdomain> On Mon, 2002-12-09 at 11:33, Sbastien Pierre wrote: > Le lundi, 9 dc 2002, 18:36 Europe/Paris, Uche Ogbuji a crit : > > > Paul Prescod discovered the following trick which he says fixes the bus > > error problems for him: > > > > $ cat /tmp/keepsymbols > > _initcDomlettec > > $ sudo nmedit -s /tmp/keepsymbols cDomlettec.so > > > > Can others on Mac OS X try this and tell me if it changes matters for > > you? > > Err... I don't remember "how to get" core dumps... The error I get now > is rather: > > Traceback (most recent call last): > File "test_domlette.py", line 2, in ? > from Ft.Xml import cDomlette > File "/sw/lib/python2.2/site-packages/Ft/Xml/cDomlette.py", line 14, > in ? > import cDomlettec > ImportError: Failure linking new module > > Doing what Paul advices seems to make cDomlette work fine, except the > test.py that finishes like that: > > %%%%%%%%%%% Coverage Test %%%%%%%%%% %% > Verifing called functions (0.007 secs) > [WARN] > ::::::::: Borrowed ::::::::: > %%%%%%%%% %% af_20000922 %%%%%%%%%%% > %%%%%%%%%%%% ag_20000713 %%%%%%%%%%% > Segmentation fault Do you happen to be running PyXML 0.8.x, by any chance? What version of 4Suite? > -- > Uche Ogbuji Fourthought, Inc. > http://uche.ogbuji.net http://4Suite.org http://fourthought.com > Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html > Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html > RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html > Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From matt.gushee at fourthought.com Mon Dec 9 16:24:19 2002 From: matt.gushee at fourthought.com (Matt Gushee) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Anon CVS hanging Message-ID: <20021209232419.GA887@drachma> Hi-- I'm trying to get the latest CVS on my desktop machine, which isn't known to the CVS server. I tried to do a checkout following the instructions on 4suite.org, but the checkout gets up to 4Suite/test/Xml/Xslt/Core/etc and hangs. So I killed the process and tried to update, but it hangs again at the same place. Though, if I do 'cvs status' on this laptop, the process seems

to run completely, and the last file is null.xslt in the above directory. So maybe I've actually got all the files, but it's a little disconcerting that the process never terminates. Has anyone else had this problem? Any idea what might be causing it? -- Matt Gushee Consultant matt.gushee@fourthought.com +1 303 583 9900 x108 Fourthought, Inc. http://Fourthought.com 4735 East Walnut St, Boulder, CO 80301-2537, USA XML strategy, XML tools (http://4Suite.org), knowledge management From jeremy.kloth at fourthought.com Mon Dec 9 22:27:41 2002 From: jeremy.kloth at fourthought.com (Jeremy Kloth) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Anon CVS hanging In-Reply-To: <20021209232419.GA887@drachma> References: <20021209232419.GA887@drachma> Message-ID: <200212092227.41488.jeremy.kloth@fourthought.com> On Monday 09 December 2002 04:24 pm, Matt Gushee wrote: > Hi-- > > I'm trying to get the latest CVS on my desktop machine, which isn't > known to the CVS server. I tried to do a checkout following the > instructions on 4suite.org, but the checkout gets up to > > 4Suite/test/Xml/Xslt/Core/etc > > and hangs. So I killed the process and tried to update, but it hangs > again at the same place. Though, if I do 'cvs status' on this laptop, > the process seems to run completely, and the last file is null.xslt in > the above directory. So maybe I've actually got all the files, but it's > a little disconcerting that the process never terminates. > > Has anyone else had this problem? Any idea what might be causing it? It is a known issue (for the CVS project). There is incompatiblities between CVS 1.11.1 and 1.11.2. There were some locking issues which were resolved in 1.11.2. However 1.11.1, on occasion (not sure exactly on the conditions), hang when communicating with a 1.11.2 server and vice-versa. So I guess the solution is to use the updated (1.11.2+) CVS packages. Hope this helps, Jeremy Kloth From matt.gushee at fourthought.com Mon Dec 9 22:50:19 2002 From: matt.gushee at fourthought.com (Matt Gushee) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Anon CVS hanging In-Reply-To: <200212092227.41488.jeremy.kloth@fourthought.com> References: <20021209232419.GA887@drachma> <200212092227.41488.jeremy.kloth@fourthought.com> Message-ID: <20021210055019.GA896@drachma> On Mon, Dec 09, 2002 at 10:27:41PM -0700, Jeremy Kloth wrote: > > > > Has anyone else had this problem? Any idea what might be causing it? > > It is a known issue (for the CVS project). There is incompatiblities between > CVS 1.11.1 and 1.11.2. There were some locking issues which were resolved in > 1.11.2. However 1.11.1, on occasion (not sure exactly on the conditions), > hang when communicating with a 1.11.2 server and vice-versa. > > So I guess the solution is to use the updated (1.11.2+) CVS packages. > > Hope this helps, Yes, that's good to know. I checked, and I do indeed have 1.11.1. So I suppose I'll upgrade one of these times. -- Matt Gushee Consultant matt.gushee@fourthought.com +1 303 583 9900 x108 Fourthought, Inc. http://Fourthought.com 4735 East Walnut St, Boulder, CO 80301-2537, USA XML strategy, XML tools (http://4Suite.org), knowledge management From uche.ogbuji at fourthought.com Mon Dec 9 23:11:13 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] PostgreSQL backend: VACUUM ? Message-ID: <1039500673.19647.6.camel@localhost.localdomain> On Sat, 2002-12-07 at 10:05, Mike Olson wrote: > On Thu, 2002-12-05 at 18:07, Uche Ogbuji wrote: > > On Wed, 2002-11-27 at 11:30, Mike.Olson wrote: > > > On 26 Nov 2002, Vladimir Bormotov wrote: > > > > > > > > Hi! > > > > > > > > > > > ank:~# /usr/local/lib/python2.2/site-packages/Ft/Share/Bin/4ss_manager start > > > > 4SS Manager Name: sa > > > > Password for sa: > > > > controller started (pid 36176) > > > > ank:~# > > > > ank:~# NOTICE: Skipping "pg_group" -- only table or database owner can VACUUM it > > > > NOTICE: Skipping "pg_database" -- only table or database owner can VACUUM it > > > > NOTICE: Skipping "pg_shadow" -- only table or database owner can VACUUM it > > > > > > > > > > If you remove the DbMaintenance tag from your 4SS config file then it will > > > not try to VACUUM the database. > > > > > > Hmm. But it would be nice if he didn't have to disable it, I imagine. > > > > Do you know why it's trying to vacuum as the wrong PG user? > > Either: > a) He has specified a user in the 4ss config file that is not the owner > of the database. > b) PG defaults to your unix user name when no user name is specified. > So this user is not the owner of the database. > > To get around this he should add a user name (and password) to his 4ss > config file that is a DB owner. Or, have the actual DB owner do his own > maintence on the DB. Cool. Thanks. Based on this, I added some warning material to

http://uche.ogbuji.net/tech/akara/4suite/config/ -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From dark at ihanyang.ac.kr Mon Dec 9 23:51:21 2002 From: dark at ihanyang.ac.kr (=?ks_c_5601-1987?B? udq9wsf2?=) Date: Sat Aug 26 17:46:13 2006 Subject: [4Suite] 4Suite's command line tools do not work. Message-ID: <001701c2a018$8c3bbe20$1a3c68a6@gearlab.hanyang.ac.kr> Hello. When I have studied RDF and related techniques. I knowed the 4Suite. I had problems that 4suite command line program does not work in my computer. I read Windows HOWTO documentation, installed python 2.2 and 4Suite MSI file and configured my computer as this document. But, the contents of Quick Start does not work. Any command line tool does not work. Only spaces was printed as this, C:\>4ss --help C:\> Other tools was same. When I executed test.py, many test-failed messages was printed. In IDLE, IDLE died while test.py was running In Active Python, following message was printed : PythonWin 2.2.2 (#37, Nov 26 2002, 10:24:37) [MSC 32 bit (Intel)] on win32. Portions Copyright 1994-2001 Mark Hammond (mhammond@skippinet.com.au) - see 'Help/About PythonWin' for further copyright information. [Dbg]>>> Traceback (most recent call last): File "C:\Python22\Lib\site-packages\Pythonwin\pywin\framework\scriptutils.py", line 301, in RunScript exec codeObject in __main__.__dict__ File "C:\Python22\Lib\site-packages\Ft\Share\Tests\test.py", line 9, in ? packages= ['Lib', File "C:\Python22\Lib\site-packages\Ft\Lib\TestSuite__init__.py", line 75, in Test suite.runTests () File "C:\Python22\Lib\site-packages\Ft\Lib\TestSuite\TestSuite.py", line 318, in runTests tester = Tester.Tester(self.stop, self.color, self.verbose) File "C:\Python22\Lib\site-packages\Ft\Lib\TestSuite\Tester.py", line 203, in __init__ if not (useColor and stream.isatty()): File "C:\Python22\Lib\site-packages\Pythonwin\pywin\mfc\object.py", line 23, in __getattr__ raise win32ui.error, "The MFC object has died." win32ui: The MFC object has died. But, the python modules of 4Suite work well. >>> from Ft.Xml import Domlette >>> from Ft.Xml.Xslt import Processor >>> print Processor <module 'Ft.Xml.Xslt.Processor' from 'c:\python22\Ft\Xml\Xslt\Processor.py'> >>> --> Succeeded in my cumputer. My System is Windows 2000 Pro SP3 Hangul version with IIS(IIS was stopped when I executed 4Suite) and I installed 4Suite 0.12.a3 version I need RDF repository system for my research and 4Suite is the one which have the functions I want. Please Help me to execute 4Suite Servers. Sorry for my bad English skill. (I'm Korean) Thank you. -------------- next part -------------- An HTML attachment was scrubbed... URL: http://lists.fourthought.com/pipermail/4suite/attachments/20021210/65815214/attachment.html From uche.ogbuji at fourthought.com Mon Dec 9 23:48:41 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:13 2006 Subject: [4Suite] 4Suite's command line tools do not work. In-Reply-To: <001701c2a018$8c3bbe20$1a3c68a6@gearlab.hanyang.ac.kr> References: <001701c2a018 $8c3bbe20$1a3c68a6@gearlab.hanyang.ac.kr> Message-ID: <1039502920.19652.80.camel@localhost.localdomain> On Mon, 2002-12-09 at 23:51, ??? wrote: > Hello. > > When I have studied RDF and related techniques. I knowed the 4Suite. > > I had problems that 4suite command line program does not work in my > computer. > > I read Windows HOWTO documentation, installed python 2.2 and > 4Suite MSI file and configured my computer as this document. > > > But, the contents of Quick Start does not work. > > Any command line tool does not work. > > Only spaces was printed as this, > > C:\>4ss --help > > C:\> > > Other tools was same. > > When I executed test.py, many test-failed messages was printed. > In IDLE, IDLE died while test.py was running > In Active Python, following message was printed : > > > PythonWin 2.2.2 (#37, Nov 26 2002, 10:24:37) [MSC 32 bit (Intel)] on > win32. > Portions Copyright 1994-2001 Mark Hammond (mhammond@skippinet.com.au) > - see 'Help/About PythonWin' for further copyright information. > [Dbg]>>> Traceback (most recent call last): > File > "C:\Python22\Lib\site-packages\Pythonwin\pywin\framework\scriptutils.py", line 301, in RunScript > exec codeObject in __main__.__dict__ > File "C:\Python22\Lib\site-packages\Ft\Share\Tests\test.py", line 9, > in ? > packages=['Lib', > File "C:\Python22\Lib\site-packages\Ft\Lib\TestSuite__init__.py", > line 75, in Test

> suite.runTests() > File "C:\Python22\Lib\site-packages\Ft\Lib\TestSuite\TestSuite.py", > line 318, in runTests > tester = Tester.Tester(self.stop, self.color, self.verbose) > File "C:\Python22\Lib\site-packages\Ft\Lib\TestSuite\Tester.py", > line 203, in __init__ > if not (useColor and stream.isatty()): > File "C:\Python22\Lib\site-packages\Pythonwin\pywin\mfc\object.py", > line 23, in __getattr__ > raise win32ui.error, "The MFC object has died." > win32ui: The MFC object has died. > > > > But, the python modules of 4Suite work well. > > >>> from Ft.Xml import Domlette > >>> from Ft.Xml.Xslt import Processor > >>> print Processor > <module 'Ft.Xml.Xslt.Processor' from > 'c:\python22 \Ft\Xml\Xslt\Processor.py'> > >>> > > --> Succeeded in my cumputer. > > > My System is Windows 2000 Pro SP3 Hangul version with IIS(IIS was > stopped when I executed 4Suite) > and I installed 4Suite 0.12.a3 version > > I need RDF repository system for my research and 4Suite is the one > which have the functions I want. > > Please Help me to execute 4Suite Servers. > > > Sorry for my bad English skill. (I'm Korean) No need for aplologies :-) I'm sorry. The state of 4Suite right now on Windows is very bad. Many people can't get the executables to run in the latest alpha, and there are other problems beyond that. If the Python API works for you but not the command line, we should be able to come up with a workaround by running the executable from Python rather than C. But Jeremy Kloth will have to help us out here becase he's more familair with the Windows builds. Jeremy, any ideas? I can telly you where to get a copy of ActiveState Python for Windows, if that would help. Thanks. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From matt.gushee at fourthought.com Tue Dec 10 02:53:47 2002 From: matt.gushee at fourthought.com (Matt Gushee) Date: Sat Aug 26 17:46:13 2006 Subject: [4Suite] 4Suite's command line tools do not work. In-Reply-To: <1039502920.19652.80.camel@localhost.localdomain> References: <001701c2a018$8c3bbe20 $1a3c68a6@gearlab.hanyang.ac.kr> <1039502920.19652.80.camel@localhost.localdomain> Message-ID: <20021210095347.GA1813@drachma> > On Mon, 2002-12-09 at 23:51, ????????? wrote: > > But, the contents of Quick Start does not work. > > > > Any command line tool does not work. > > > > Only spaces was printed as this, > > > > C:\>4ss --help > > > > C:\> > > > > Other tools was same. .... > > My System is Windows 2000 Pro SP3 Hangul version with IIS(IIS was > > stopped when I executed 4Suite) > > and I installed 4Suite 0.12.a3 version Do you know what character encoding Microsoft uses for the command prompt in this version of Windows? Is it something standard, or is it a proprietary abomination (like Shift-JIS for Japanese)? It's just a guess, but perhaps that could be related to these problems. -- Matt Gushee Consultant matt.gushee@fourthought.com +1 303 583 9900 x108 Fourthought, Inc. http://Fourthought.com 4735 East Walnut St, Boulder, CO 80301-2537, USA XML strategy, XML tools (http://4Suite.org), knowledge management From spierre at lautre.net Tue Dec 10 09:15:54 2002 From: spierre at lautre.net (=?ISO-8859-1?Q?S=E9bastien_Pierre?=) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] Solution for Mac OS X? In-Reply-To: <1039458579.15384.199.camel@localhost.localdomain> Message-ID: Le lundi, 9 dc 2002, 19:29 Europe/Paris, Uche Ogbuji a crit : > Do you happen to be running PyXML 0.8.x, by any chance? What version > of > 4Suite? I have no PyXML installed and 4Suite is a 1-month aged CVS snapshot. -- Sbastien -- Big lies, big times / This love is not what we're about / It's too late, and I'm too straight / It's time to blow this fire out. -- UNKLE, Psyence Fiction - Bloodstain From andmalc-ns3 at malcolmson.ca Wed Dec 11 10:10:38 2002 From: andmalc-ns3 at malcolmson.ca (Andrew Malcolmson) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] 4ss_manager init fails Message-ID: <3DF7718E.2080803@malcolmson.ca> The repository initialization is failing on my NT 4.0 machine using both the 0.12.0a release and the latest snapshot with the error: UriToOsPath only supports file type URLs: d:\python\Lib\site-packages \Ft\Share\Docs\xml Looks like UriToOsPath is getting a directory agrument when it's expecting a file. I'm running Python 2.2.2, using the example 4ss.config file (for the flatfile driver, with apropriate paths for the PID and log files added) FTSERVER_CONFIG_FILE and FTSS_FLAT_FILE_ROOT are set to my 4ss.config file and Ft\Share\Data directory respectively. The

full traceback is: D:\python>python \Share\Bin\4ss_manager init > f:\error.txt Traceback (most recent call last): File "\Share\Bin\4ss_manager", line 5, in ? ManagerCommandLineApp().run() File "\Server\Server\Commands__init__.py", line 80, in run return apply (CommandLineApp.CommandLineApp.run,args,kw) File "\Lib\CommandLine\CommandLineApp.py", line 90, in run cmd.run_command(self.authenticationFunction) File "\Lib\CommandLine\Command.py", line 83, in run_command self.function(self.clOptions, self.clArguments) File "\Server\Server\Commands\Init.py", line 141, in CommandLineInit destroyRepo = destroyRepo) File "\Server\Server\Commands\Init.py", line 158, in DoInit products = BuildProductList (components,destroyRepo,users) File "\Server\Server\Commands\Init.py", line 189, in BuildProductList pl,base = BuildDocList() File "\Server\Server\Commands\Init.py", line 347, in BuildDocList l.extend (Serialize.MirrorDir('/ftss/docs',os.path.join(SHARE_DIR,'Docs','xml'),mapping)) File "\Server\Common\Install\Serialize.py", line 410, in MirrorDir src = Uri.UriToOsPath(src) File "\Lib\Uri.py", line 413, in UriToOsPath raise Exception("UriToOsPath only supports file type URLs: % s" % uri) Exception: UriToOsPath only supports file type URLs: \Share\Docs\xml (Sorry about the wrapping lines in the above traceback - should I turn off 72 column wrapping in my mail client for posting to a mail list?) Thanks From mike at skew.org Wed Dec 11 12:54:28 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <3DF7718E.2080803@malcolmson.ca> "from Andrew Malcolmson at Dec 11, 2002 12:10:38 pm" Message-ID: <200212111954.gBBJsSCs011734@chilled.skew.org> Andrew Malcolmson wrote: > The repository initialization is failing on my NT 4.0 machine using both > the 0.12.0a release and the latest snapshot with the error: > > UriToOsPath only supports file type URLs: d:\python\Lib\site-packages > \Ft\Share\Docs\xml > > Looks like UriToOsPath is getting a directory agrument when it's > expecting a file. This is the kind of stuff we do, and is something I'm trying to change, but it's a big mess. Here's a workaround: *** Ft/Lib/Uri.py 30 Nov 2002 07:00:31 -0000 1.36 -- - Ft/Lib/Uri.py 11 Dec 2002 19:46:33 -0000 *************** *** 557,564 **** this is is just an attempt, and may give the wrong result """ scheme, rest = urllib.splittype(uri) #Only file URLs are supported ! if scheme and scheme != "file": raise Exception("UriToOsPath only supports file type URLs: %s" % uri) path = urllib.url2pathname(urllib.splithost(rest)[1]) return path --- 557,567 ---- this is is just an attempt, and may give the wrong result """ scheme, rest = urllib.splittype(uri) + # temporary hack because we like to pretend OS paths are URIs + if os.name == 'nt' and len(scheme) == 1: + rest = uri #Only file URLs are supported ! elif scheme and scheme != "file": raise Exception("UriToOsPath only supports file type URLs: %s" % uri) path = urllib.url2pathname(urllib.splithost(rest)[1]) return path From uche.ogbuji at fourthought.com Wed Dec 11 13:13:52 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <200212111954.gBBJsSCs011734@chilled.skew.org> References: <200212111954.gBBJsSCs011734@chilled.skew.org> Message-ID: <1039637632.23650.1469.camel@localhost.localdomain> On Wed, 2002-12-11 at 12:54, Mike Brown wrote: > Andrew Malcolmson wrote: > > The repository initialization is failing on my NT 4.0 machine using both > > the 0.12.0a release and the latest snapshot with the error: > > > > UriToOsPath only supports file type URLs: d:\python\Lib\site-packages > > \Ft\Share\Docs\xml > > > > Looks like UriToOsPath is getting a directory agrument when it's > > expecting a file. > > This is the kind of stuff we do, and is something I'm trying to change, > but it's a big mess. I think you're coming at this one from the wrong end of things. > Here's a workaround: > > *** Ft/Lib/Uri.py 30 Nov 2002 07:00:31 - 0000 1.36 > --- Ft/Lib/Uri.py 11 Dec 2002 19:46:33 -0000 > *************** > *** 557,564 **** > this is is just an attempt, and may give the wrong result > """ > scheme, rest = urllib.splittype(uri) > #Only file URLs are supported > ! if scheme and scheme != "file": > raise Exception("UriToOsPath only supports file type URLs: %s" % uri) > path = urllib.url2pathname(urllib.splithost(rest)[1]) > return path > --- 557,567 ---- > this is is just an attempt, and may give the wrong result > """ > scheme, rest = urllib.splittype(uri) > + # temporary hack because we like to pretend OS paths are URIs > + if os.name == 'nt' and len(scheme) == 1: > + rest = uri > #Only file URLs are supported > ! elif scheme and scheme != "file": > raise Exception("UriToOsPath only supports file type URLs: %s" % uri) > path =

urllib.url2pathname(urllib.splithost(rest)[1]) > return path UriToOsPath is *not* the place to fix this. UriToOsPath should never be passed an OS path. The place to fix this is the place that is erroneously doing so. I have also been working on sorting out URI/path usage, and in this process I've caught a lot of these. I'm hardly surprised there are more, but if we kludge UriToOsPath, we're just masking the problem and making it harder to ferret out the truly needed fixes. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From matt.gushee at fourthought.com Wed Dec 11 13:33:48 2002 From: matt.gushee at fourthought.com (Matt Gushee) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] How does 4Suite find a handler from a server definition? Message-ID: <20021211203347.GA1099@drachma> Hi, all-- As the subject line indicates, I'm trying to understand how 4Suite finds a handler specified in a server definition--or more precisely, how to make a handler available. By default, FtRpc, Ftp, and SOAP servers are installed. Looking through the Ft/Server/Server directory, I see that FtRpc/__init__.py, Ftp/__init__.py, and Http/SOAP/__init__.py each contain handler definitions. So, does putting a handler definition in an __init__ module in a subdirectory of Ft/Server/Server make it available, or is there a config file somewhere that needs to be edited, or ...? -- Matt Gushee Consultant matt.gushee@fourthought.com +1 303 583 9900 x108 Fourthought, Inc. http://Fourthought.com 4735 East Walnut St, Boulder, CO 80301-2537, USA XML strategy, XML tools (http://4Suite.org), knowledge management From mike at skew.org Wed Dec 11 13:48:09 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <1039637632.23650.1469.camel@localhost.localdomain> "from Uche Ogbuji at Dec 11, 2002 01:13:52 pm" Message-ID: <200212112048.gBBKm9FM011932@chilled.skew.org> I also didn't check in the change. From mike at skew.org Wed Dec 11 13:47:52 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <1039637632.23650.1469.camel@localhost.localdomain> "from Uche Ogbuji at Dec 11, 2002 01:13:52 pm" Message-ID: <200212112047.gBBKlqIU011924@chilled.skew.org> Uche Ogbuji wrote: > I think you're coming at this one from the wrong end of things. That's why I called it a workaround, and why I put this comment in: > > + # temporary hack because we like to pretend OS paths are URIs From uche.ogbuji at fourthought.com Wed Dec 11 13:39:32 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <200212112047.gBBKlqIU011924@chilled.skew.org> References: <200212112047.gBBKlqIU011924@chilled.skew.org> Message-ID: <1039639171.23660.1502.camel@localhost.localdomain> On Wed, 2002-12-11 at 13:47, Mike Brown wrote: > Uche Ogbuji wrote: > > I think you're coming at this one from the wrong end of things. > > That's why I called it a workaround, > and why I put this comment in: > > > > + # temporary hack because we like to pretend OS paths are URIs I know. But I still think it's problematic. Masking this problem in UriToOsPath releives the pressure to solve the root problems. Even if you mean this workaround only for Andrew's local use, I'd rather *use* Andrew's problem to find the real bug and squash yet one more of these. So Andrew: I would prefer you changed UriToOsPath as follows: + # temporary hack because we like to pretend OS paths are URIs + if len(scheme) == 1: + raise Exception ("Invalid URI passed to UriToOsPath: %s", uri) #Only file URLs are supported ! elif scheme and scheme != "file": Then send us the stack trace, so we can find the culprit code. Thanks. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From uche.ogbuji at fourthought.com Wed Dec 11 17:30:06 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji)

Date: Sat Aug 26 17:46:13 2006 Subject: [4suite] How does 4Suite find a handler from a server definition? In-Reply-To: <20021211203347.GA1099@drachma> References: <20021211203347.GA1099@drachma> Message-ID: <1039653006.23650.1881.camel@localhost.localdomain> cc'ed 4Suite-dev. That's perhaps a better place for this thread. On Wed, 2002-12-11 at 13:33, Matt Gushee wrote: > Hi, all-- > > As the subject line indicates, I'm trying to understand how 4Suite finds > a handler specified in a server definition--or more precisely, how to > make a handler available. > > By default, FtRpc, Ftp, and SOAP servers are installed. Looking through > the Ft/Server/Server directory, I see that FtRpc/__init__.py, > Ftp/__init__.py, and Http/SOAP/__init__.py each contain handler > definitions. So, does putting a handler definition in an __init__ module > in a subdirectory of Ft/Server/Server make it available, or is there a > config file somewhere that needs to be edited, or ...? I knew MikeO or Jeremy would have the answer off head, but I figured I'd learn the answer for myself if they didn't beat me to it. This stuff really needs to be better documented. I won't bore you with all the logic I had to wade through, but you need to do two things to add a handler type 1) Define a module class similar to the ones you already found 2) Import the class object and add it to the dict in _ft_builtins in Ft/Server/Server/Modules.py -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From mike at skew.org Wed Dec 11 18:16:12 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <3DF7718E.2080803@malcolmson.ca> "from Andrew Malcolmson at Dec 11, 2002 12:10:38 pm" Message-ID: <200212120116.gBC1GDsi012995@chilled.skew.org> Andrew Malcolmson wrote: > File "\Server\Server\Commands\Init.py", line 347, in BuildDocList > l.extend(Serialize.MirrorDir ('/ftss/docs',os.path.join(SHARE_DIR,'Docs','xml'),mapping)) > File "\Server\Common\Install\Serialize.py", line 410, in > MirrorDir > src = Uri.UriToOsPath(src) > File "\Lib\Uri.py", line 413, in UriToOsPath > raise Exception("UriToOsPath only supports file type URLs: %s" % uri) > Exception: UriToOsPath only supports file type URLs: \Share\Docs\xml There was some confusion as to what MirrorDir()'s arguments were supposed to be. It's now a little more flexible. Uche and I (well, mostly Uche) got this taken care of. Do a cvs update and all should be well. > (Sorry about the wrapping lines in the above traceback - should I turn > off 72 column wrapping in my mail client for posting to a mail list?) I try to keep my prose wrapped, but code samples and tracebacks I go to the trouble of keeping on long lines, which makes for easier copy-paste. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From Mike.Olson at fourthought.com Wed Dec 11 18:16:03 2002 From: Mike.Olson at fourthought.com (Mike Olson) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] How does 4Suite find a handler from a server definition? In-Reply-To: <20021211203347.GA1099@drachma> References: <20021211203347.GA1099@drachma> Message-ID: <1039655764.5492.6.camel@penny> On Wed, 2002-12-11 at 13:33, Matt Gushee wrote: > Hi, all-- > > As the subject line indicates, I'm trying to understand how 4Suite finds > a handler specified in a server definition--or more precisely, how to > make a handler available. > > By default, FtRpc, Ftp, and SOAP servers are installed. Looking through > the Ft/Server/Server directory, I see that FtRpc/__init__.py, > Ftp/__init__.py, and Http/SOAP/__init__.py each contain handler > definitions. So, does putting a handler definition in an __init__ module > in a subdirectory of Ft/Server/Server make it available, or is there a > config file somewhere that needs to be edited, or ...? Look at the bottom of Ft/Server/Server/Modules.py Mike > > -- > Matt Gushee Consultant > matt.gushee@fourthought.com +1 303 583 9900 x108 > Fourthought, Inc. http://Fourthought.com > 4735 East Walnut St, Boulder, CO 80301-2537, USA > XML strategy, XML tools (http://4Suite.org), knowledge management > > 4suite mailing list > 4suite@lists.fourthought.com > http://lists.fourthought.com/mailman/listinfo/4suite -- Mike Olson Principal Consultant mike.olson@fourthought.com +1 303 583 9900 x 102 Fourthought, Inc.

http://Fourthought.com PO Box 270590, http://4Suite.org Louisville, CO 80027-5009, USA XML strategy, XML tools, knowledge management From amalcolmson at fastmail.fm Wed **Dec** 11 21:51:07 2002 From: amalcolmson at fastmail.fm (Andrew Malcolmson) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <200212120116.gBC1GDsi012995@chilled.skew.org> References: <200212120116.gBC1GDsi012995@chilled.skew.org> Message-ID: <3DF815BB.6030305@fastmail.fm> I posted the previous message before I saw this. Thanks, I'll try the cvs update tomorrow and respond if it doesn't work. Mike Brown wrote: > Andrew Malcolmson wrote: > > > File "\Server\Server\Commands\Init.py", line 347, in BuildDocList > >l.extend (Serialize.MirrorDir('/ftss/docs',os.path.join(SHARE_DIR,'Docs','xml'),mapping)) > > File "\Server\Common\Install\Serialize.py", line 410, in > >MirrorDir > > src = Uri.UriToOsPath(src) > > File "\Lib\Uri.py", line 413, in UriToOsPath > > raise Exception("UriToOsPath only supports file type URLs: %s" % > uri) > >Exception: UriToOsPath only supports file type URLs: \Share\Docs\xml > > > There was some confusion as to what MirrorDir()'s arguments were > supposed to > be. It's now a little more flexible. > > Uche and I (well, mostly Uche) got this taken care of. Do a cvs update and > all should be well. > > > >(Sorry about the wrapping lines in the above traceback - should I turn > >off 72 column wrapping in my mail client for posting to a mail list?) > > > I try to keep my prose wrapped, but code samples and tracebacks I go > to the > trouble of keeping on long lines, which makes for easier copy-paste. > > > Mike > From bortier at itc.nl Thu **Dec** 12 11:12:11 2002 From: bortier at itc.nl (Cynthia Borkai Bortier) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails Message-ID: I have successfully installed Python 22 and 4 suite-0.12.0a3.win32-py2.2.ex and PyXML 0.8.0, but the '4ss_manager init' gives a error on my windows 2000 machain. Can any one help me out? I used the example 4ss.config file given in the ppendix of the windows installation guide. Cynthia. From mike at skew.org Thu **Dec** 12 12:23:23 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: "from Cynthia Borkai Bortier at Dec 12, 2002 07:12:11 pm" Message-ID: <200212121923.gBCJNNBb017351@chilled.skew.org> Cynthia Borkai Bortier wrote: > I have successfully installed Python 22 and 4 suite-0.12.0a3.win32-py2.2.ex > and PyXML 0.8.0, but the '4ss_manager init' gives a error on my windows 2000 > machain. Can any one help me out? I used the example 4ss.config file given > in the ppendix of the windows installation guide. What is the error you are getting? Paste it in a reply to this list. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From uche.ogbuji at fourthought.com Thu **Dec** 12 16:37:17 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] WebDAV notes Message-ID: <1039736237.23660.2316.camel@localhost.localdomain> Re: recent discussions of WebDAV and TTW editing with 4Suite, I thought it might be useful to note a discussion about using vi on UNIX to edit Zope files exposed through WebDAV and then mounted.

http://lists.community.tummy.com/pipermail/frpythoneers/2002-January/000537.html
http://lists.community.tummy.com/pipermail/frpythoneers/2002-January/000538.html
http://lists.community.tummy.com/pipermail/frpythoneers/2002-February/000541.html
http://lists.community.tummy.com/pipermail/frpythoneers/2002-February/000539.html
http://lists.community.tummy.com/pipermail/frpythoneers/2002-February/000540.html -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From andmalc-ns3 at malcolmson.ca Thu **Dec** 12 22:03:13 2002 From: andmalc-ns3 at malcolmson.ca (Andrew Malcolmson) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails Message-ID: <3DF96A11.8010305@malcolmson.ca> Things look about the same after updating Uri.py, MessageSource.py, and __init__.py from cvs. Traceback (most recent call last): File "bin\4ss_manager", line 5, in ? ManagerCommandLineApp().run() File "Server\Server\Commands__init__.py", line 80, in

run return apply(CommandLineApp.CommandLineApp.run,args,kw) File "Lib\CommandLine\CommandLineApp.py", line 90, in run cmd.run_command (self.authenticationFunction) File "Lib\CommandLine\Command.py", line 83, in run_command self.function(self.clOptions, self.clArguments) File "Server\Server\Commands\Init.py", line 141 , in CommandLineInit destroyRepo = destroyRepo) File "Server\Server\Commands\Init.py", line 158 , in DoInit products = BuildProductList(components,destroyRepo,users) File "Server\Server\Commands\Init.py", line 189 , in BuildProductList pl,base = BuildDocList() File "Server\Server\Commands\Init.py", line 347 , in BuildDocList l.extend(Serialize.MirrorDir ('/ftss/docs',os.path.join(SHARE_DIR,'Docs','xml '),mapping)) File "Server\Common\Install\Serialize.py", line 410, in MirrorDir src = Uri.UriToOsPath(src) File "d:\python\Lib\site-packages\Ft\Lib\Uri.py", line 581, in UriToOsPath raise UriException (UriException.NON_FILE_URI, uri) Ft.Lib.UriException: Only a 'file' URI can be converted to an OS-specific path; URI given was 'd:\\python\\Lib\\site-packages\\Ft\\Share\\Docs\\xml' From amalcolmson at fastmail.fm Thu Dec 12 21:58:43 2002 From: amalcolmson at fastmail.fm (Andrew Malcolmson) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails Message-ID: <3DF96903.9000803@fastmail.fm> Things look about the same after updating Uri.py, MessageSource.py, and __init__.py from cvs. Traceback (most recent call last): File "bin\4ss_manager", line 5, in ? ManagerCommandLineApp().run() File "Server\Server\Commands__init__.py", line 80, in run return apply(CommandLineApp.CommandLineApp.run,args,kw) File "Lib\CommandLine\CommandLineApp.py", line 90, in run cmd.run_command (self.authenticationFunction) File "Lib\CommandLine\Command.py", line 83, in run_command self.function(self.clOptions, self.clArguments) File "Server\Server\Commands\Init.py", line 141 , in CommandLineInit destroyRepo = destroyRepo) File "Server\Server\Commands\Init.py", line 158 , in DoInit products = BuildProductList(components,destroyRepo,users) File "Server\Server\Commands\Init.py", line 189 , in BuildProductList pl,base = BuildDocList() File "Server\Server\Commands\Init.py", line 347 , in BuildDocList l.extend(Serialize.MirrorDir ('/ftss/docs',os.path.join(SHARE_DIR,'Docs','xml '),mapping)) File "Server\Common\Install\Serialize.py", line 410, in MirrorDir src = Uri.UriToOsPath(src) File "d:\python\Lib\site-packages\Ft\Lib\Uri.py", line 581, in UriToOsPath raise UriException (UriException.NON_FILE_URI, uri) Ft.Lib.UriException: Only a 'file' URI can be converted to an OS-specific path; URI given was 'd:\\python\\Lib\\site-packages\\Ft\\Share\\Docs\\xml' From uche.ogbuji at fourthought.com Thu Dec 12 21:08:41 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <3DF96903.9000803@fastmail.fm> References: <3DF96903.9000803@fastmail.fm> Message-ID: <1039752521.23660.2320.camel@localhost.localdomain> On Thu, 2002-12-12 at 21:58, Andrew Malcolmson wrote: > Things look about the same after updating Uri.py, MessageSource.py, and > __init__.py from cvs. Here is the fix I checked in: http://lists.fourthought.com/pipermail/4suite-checkins/2002-December/003400.html http://lists.fourthought.com/pipermail/4suite-checkins/2002-December/003399.html So you didn't get the right files. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-pyth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-debugxs.html From spierre at lautre.net Fri Dec 13 01:39:20 2002 From: spierre at lautre.net (=?ISO-8859-1?Q?S=E9bastien_Pierre?=) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Re: 4Suite on MacOSX In-Reply-To: Message-ID: <5FBEB76A-0E76-11D7-93B2-00039344BB54@lautre.net> Le vendredi, 13 dc 2002, 02:28 Europe/Paris, Jim Harrison a crit : > Hello- > > I saw your comments on the 4Suite mailing list and I hope you can take > just > a minute to point me in the right direction. I'm hoping to use 4Suite > with > Zope and its XMLTransform product. I've built python 2.1.3 (required > by Zope > 2.6) on OSX 10.2.2. I followed the unix instructions for building > 4Suite > (0.12.0a3; built with the python 2.1.3 install). The problem

seems to > be a > the symbol conflict in the Xml directory (see below). Are there any > special > instructions or switches that need to be passed on build to avoid this > that > I might be missing? Or should I be using the CVS snapshot rather than > a3? Hi! I advice you to use a 4Suite CVS snapshot. Before installing the CVS snapshot, you can try this: 1/ Edit a file that contains the following line _initcDomlettec 2/ If this file was foo.txt, then simply do sudo ndmedit -s foo.txt /usr/local/lib/python2.1/site-packages/Ft/Xml/cDomlettec.so This should prevent the symbol conflict that you experience. If this does not work, you can then install a CVS snapshot, where this symbol conflict (multiple definitions of symbol _AddInternCtr) should not occur. There is still a problem: if you want to use the faster cDomlette you will still have to use nmedit on the cDomlettec.so file, otherwise simply setting the environment "USE_MINIDOM" variable to "1" should make everything work properly. BTW, you could use Fink to install both Python and Zope, it's really easier than maintaining your own version. Hope this helps, -- Sbastien -- Il se demanda, comme il l'avait fait plusieurs fois dj, s'il n'tait pas lui-mme fou. Peut-tre un fou n'tait-il qu'une minorit rduite l'unit -- George Orwell, 1984 From mike at skew.org Fri Dec 13 11:51:01 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: "from Cynthia Borkai Bortier at Dec 13, 2002 09:59:33 am" Message-ID: <200212131851.gBDIp1S5022657@chilled.skew.org> Cynthia Borkai Bortier wrote: > > > I have successfully installed Python 22 and 4suite-0.12.0a3.win32-py2.2.ex > > > and PyXML 0.8.0, but the '4ss_manager init' gives a error on my windows 2000 > > > machain. Can any one help me out? I used the example 4ss.config file given > > > in the ppendix of the windows installation guide. > > > > What is the error you are getting? > > Paste it in a reply to this list. > > This is the error message I got when I tried to initiate the repository > >>> $ 4ss_manager init > file "", line 1 > $ 4ss_manager init > SyntaxError: invalid Syntax > > >>>4ss_manager init > file"", line 1 > 4ss_manager line You are trying to run 4ss_manager from within the Python interpreter shell. You need to run it from the Windows command shell. The "$ " in our examples is a standard way of representing the command prompt, which varies from system to system. Ensure that you have added (python lib)\site-packages\Ft\Share\Bin to your system PATH, as per the instructions. (In Win2K, right-click on My Computer on the desktop > Properties > Environment Variables...) Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From andmalc-ns3 at malcolmson.ca Fri Dec 13 14:50:57 2002 From: andmalc-ns3 at malcolmson.ca (Andrew Malcolmson) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <1039752521.23660.2320.camel@localhost.localdomain> References: <3DF96903.9000803@fastmail.fm> <1039752521.23660.2320.camel@localhost.localdomain> Message-ID: <3DFA5641.4070703@malcolmson.ca> Uche Ogbuji wrote: > On Thu, 2002-12-12 at 21:58, Andrew Malcolmson wrote: > >>Things look about the same after updating Uri.py, MessageSource.py, and >>__init__.py from cvs. > > > Here is the fix I checked in: > > http://lists.fourthought.com/pipermail/4suite-checkins/2002-December/003400.html > http://lists.fourthought.com/pipermail/4suite-checkins/2002-December/003399.html > > So you didn't get the right files. > > To ensure I've got all the changes, I've downloaded and compiled (with Cygwin gcc) the cvs daily snapshot for this morning 12/13. When I run '4ss_manager init' with the standard Windows Python 2.2.2 distribution there's no change: I continue to get the error ending in: File "d:\python\Lib\site-packages\Ft\Lib\Uri.py", line 581, in UriToOsPath raise UriException (UriException.NON_FILE_URI, uri) Ft.Lib.UriException: Only a 'file' URI can be converted to an OS-specific path; URI given was 'd:\\python\\Lib\\site-packages\\Ft\\Share\\Docs\\xml' However, when I run it with the gcc compiled Python 2.2.2 it fails a bit later, during Data Installation, with: Traceback (most recent call last): File "/Share/Bin/4ss_manager", line 5 , in ? ManagerCommandLineApp().run() File "/Server/Server/Commands/__init__.py", line 64, in run return CommandLineApp.CommandLineApp.run(*args, **kwords) File "/Lib/CommandLine/CommandLineApp .py", line 90, in run cmd.run_command (self.authenticationFunction) File "/Lib/CommandLine/Command.py", l ine 83, in run_command self.function(self.clOptions, self.clArguments) File "/Server/Server/Commands/Init.py ", line 149, in

CommandLineInit destroyRepo=destroyRepo) File "/Server/Server/Commands/Init.py ", line 165, in DoInit product.install(repo, base, quiet, confirm) File "/Server/Server/Commands/Init.py ", line 531, in install return self.baseProduct.install(repo, baseDir, quiet) File "/Server/Common/Install/InstallU til.py", line 1017, in install r.createContent(repo, quiet) File "/Server/Common/Install/InstallU til.py", line 406, in createContent imt=self.imt, forcedType = self.resourceType) File "/Server/Server/SCore/Containerl mp.py", line 182, in createDocument sty.root File "/Server/Server/Drivers/FtssDriv er.py", line 399, in setResourceCache cPickle.dumps(cache)) cPickle.UnpickleableError: Cannot pickle objects Running cygwin Python from the Win2k prompt and from the cygwin bash shell gives the same result. Thanks again. I'm really looking forward to getting 4Suite working on my machine. From mike at skew.org Fri Dec 13 15:22:08 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <3DFA5641.4070703@malcolmson.ca> "from Andrew Malcolmson at Dec 13, 2002 04:50:57 pm" Message-ID: <200212132222.gBDMM84b023621@chilled.skew.org> Andrew Malcolmson wrote: > To ensure I've got all the changes, I've downloaded and compiled (with > Cygwin gcc) the cvs daily snapshot for this morning 12/13. OK, I thought you were using Windows.. Cygwin is not quite Windows :) There should not be any place in your Cygwin environment where you are specifying a Windows-style path. Just now, I tried using Cygwin's python and current 4Suite code (either from the daily snapshot or obtained directly through the CVS server... I tried both). I installed Cygwin less than a month ago. My .profile contains export FTSERVER_CONFIG_FILE="/home/Mike Brown/4ss.conf" export PATH=/usr/lib/python2.2/site-packages/Ft/Share/Bin:$PATH My 4ss.conf file is the same as I use on Unix (with Unix-style paths) but with FlatFile instead of Postgres as the repo driver. I don't have any trouble running the 4ss_manager init at first, but it dumps core 45% of the way through the Data files, when it's installing /ftss/data/commandline_html.xslt in the repo. No idea what's causing that. Makes no difference if I have USE_MINIDOM=1 or not. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From bdeck at lycos.co.uk Sat Dec 14 09:13:21 2002 From: bdeck at lycos.co.uk (deckerben) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] (no subject) Message-ID: <1039882401026251@lycos-europe.com> Hello, Soon a new release-level quality port of Python 2.2.1 to 32-bit DPMI DOS environment will be uploaded to http://members.lycos.co.uk/bdeck. This project is called PythonD. One of the new features is DXE-based dynamic linking, making it possible to build packages such as 4-Suite. I have done just that, and the test suite does run, although there are occasional errors. I would like to test the XSLT and EXSLT stylesheet processing facilities. The documentation, however seems to only give an example from when PyXML was still used... (like version 11, I really don't know...) Given an XML and XSLT file on my harddrive, (say "D:\test\test.xml and D:\test\test.xsl"), how does the 4Suite 12 code look like? Thanks, Ben When words aren't enough - Vodafone live! A new world of colour, sounds, picture messages and information on your mobile. Click here to find out more. From jeremy.kloth at fourthought.com Sat Dec 14 16:15:59 2002 From: jeremy.kloth at fourthought.com (Jeremy Kloth) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] 4ss_manager init fails In-Reply-To: <3DFA5641.4070703@malcolmson.ca> References: <3DF96903.9000803@fastmail.fm> <1039752521.23660.2320.camel@localhost.localdomain> <3DFA5641.4070703@malcolmson.ca> Message-ID: <1039907771.32156.11.camel@hades> On Fri, 2002-12-13 at 14:50, Andrew Malcolmson wrote: > However, when I run it with the gcc compiled Python 2.2.2 it fails a bit > later, during Data Installation, with: > > Traceback (most recent call last): > File "/Share/Bin/4ss_manager", line 5 , in ? > ManagerCommandLineApp().run() > File "/Server/Server/Commands/__init__.py", line 64, in run > return CommandLineApp.CommandLineApp.run(*args, **kwords) > File "/Lib/CommandLine/CommandLineApp .py", line 90, in run > cmd.run_command (self.authenticationFunction) > File "/Lib/CommandLine/Command.py", l ine 83, in run_command > self.function(self.clOptions, self.clArguments) > File "/Server/Server/Commands/Init.py ", line 149, in > CommandLineInit > destroyRepo=destroyRepo) > File "/Server/Server/Commands/Init.py ", line 165, in DoInit > product.install(repo, base, quiet, confirm) > File "/Server/Server/Commands/Init.py ", line 531, in install > return self.baseProduct.install(repo, baseDir, quiet) > File "/Server/Common/Install/InstallU

til.py", line 1017, in > install > r.createContent(repo, quiet) > File "/Server/Common/Install/InstallU til.py", line 406, in > createContent > imt=self.imt, forcedType = self.resourceType) > File "/Server/Server/SCore/Containerl mp.py", line 182, in > createDocument > sty.root > File "/Server/Server/Drivers/FtssDriv er.py", line 399, in > setResourceCache > cPickle.dumps(cache)) > cPickle.UnpickleableError: Cannot pickle objects > I've checked in a fix for this particular bug (I discovered it running the test harness, though). I should be available in tomorrow's snapshot or follow the instructions in section 4.2 at http://4suite.org/docs/4SuiteCVS.xml for anonymous CVS access with cygwin tools. Jeremy Kloth From mike at skew.org Sun Dec 15 04:14:23 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] (no subject) In-Reply-To: <1039882401026251@lycos-europe.com> "from deckerben at Dec 14, 2002 05:13:21 pm" Message-ID: <200212151114.gBFBENnh033952@chilled.skew.org> deckerben wrote: > Soon a new release-level quality port of Python 2.2.1 to 32-bit DPMI DOS > environment will be uploaded to http://members.lycos.co.uk/bdeck. This > project is called PythonD. > > One of the new features is DXE-based dynamic linking, making it possible to > build packages such as 4-Suite. I have done just that, and the test suite > does run, although there are occasional errors. Interesting. > I would like to test the XSLT and EXSLT stylesheet processing facilities. > The documentation, however seems to only give an example from when PyXML > was still used... (like version 11, I really don't know...) If you built 0.12.0, you should be able to import modules like Ft.Xml.Domlette and Ft.Xml.Xslt.Processor. The history of PyXML and 4Suite is convoluted, but they started diverging just prior to the 4Suite 0.11.0 release. For all intents and purposes, PyXML's xml.xslt facility still coincides with 4Suite 0.10.2, but with various patches from the 0.11.x generation, IIRC. After 4Suite 0.11.1 we cut most ties to PyXML and rewrote a lot of code from scratch, making some drastic changes to the XSLT interface which is now under Ft.Xml.Xslt, not xml.xslt. Although we still have not released 0.12.0, for the past year we've been releasing 0.12.0 alphas and encouraging people to use them or current CVS snapshots. > Given an XML and XSLT file on my harddrive, (say "D:\test\test.xml and > D:\test\test.xsl"), how does the 4Suite 12 code look like? I assume you mean programmatically, not via the command-line 4xslt tool. Uche has been putting together some 0.12.0 related docs on his Akara sites. Look at this first: http://uche.ogbuji.net:8080/uche.ogbuji.net/tech/akara/pyxml/python-xslt/ To supplement that, I'll say that basically you just 1. create an Ft.Xml.Xslt.Processor instance, 2. prepare Ft.Xml.InputSource instances (via their factory) for the source XML and stylesheet, 3. call the Processor's append() method, passing the stylesheet InputSource, 4. call the Processor's run() method, passing the source doc InputSource. [If you've got a more recent CVS snapshot, you can use the runNode() method and pass the source doc as a DOM node, if you like.] See Uche's examples for how to use the InputSource factory, but he only demonstrates the fromString method, whereas you can actually create an InputSource from any one of the following: - a URI string pointing to the document (fromUri); - the document as a string (preferably Unicode) (fromString); or - a byte stream (any one of Python's many file-like objects) (fromStream). If you use a URI, and are relying on our default resolver, the URI's scheme must be 'file', 'http', 'ftp' or 'gopher'. You can just supply the path part if it's a local file, although it must still look like it came from a 'file'-scheme URI (i.e. various characters are %-escaped, and it uses forward slashes to separate path components). Note that your "D:\test\test.xml" is an OS-specific filesystem path, not a URI. As a proper URI it would be "file:///D|/test/test.xml" although you could (and probably should, for now, since URI handling in 4Suite is in flux) use whatever approximate conversion you get by passing the path to Ft.Lib.Uri.OsPathToUri(). Alternatively, you could just pass the result of open ('D:\test\test.xml','rb') to the fromStream method, which might be a heck of a lot easier. However if you do that, or if you use fromString, you should still also pass in some URI for the document, so that relative URI references in the document (external entities, xsl:include/import hrefs, XIncludes) can be resolved with that URI as the base. Mike (getting rather tired of URIs..) -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From uche.ogbuji at fourthought.com Sun Dec 15 10:15:23 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Article: "A Python & XML Companion" Message-ID: http://www.xml.com/pub/a/2002/12/11/py-xml.html l offers updates and notes on Python & XML, by

Jones and Drake. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com Tour of 4Suite - http://www.xml.com/pub/a/2002/10/16/py-xml.html Proper XML Output in Python - http://www.xml.com/pub/a/2002/11/13/py-xml.html RSS for Python - http://www-106.ibm.com/developerworks/webservices/library/ws-p yth11.html Debug XSLT on the fly - http://www-106.ibm.com/developerworks/xml/library/x-deb ugxs.html From mike at skew.org Sun Dec 15 23:51:41 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] warning re: current CVS Message-ID: <200212160651.gBG6pgjj037814@chilled.skew.org> Hi all- I already posted something about this to 4suite-dev, but should probably get the info out on the regular 4suite list as well -- If you are staying current with 4Suite's current codebase in CVS, or you're considering using a CVS snapshot of 4Suite after today, be warned that today I made a fairly major change to the way URIs are handled, and that this area of the code is still in flux and is likely to change again very soon. This change is not addressing one problem, but several related issues. I tried to test all the general use cases, and things seem to be working OK. However, if you are using the repository, you'll find that the behavior of 'file' URLs has changed. As of today, they're strictly interpreted as referring to paths in the repository, not the host machine's filesystem. If this is going to adversely affect you (i.e., if you need filesystem access from within a repo document), then don't upgrade yet. Evan, this means you. :) We're still sorting out the issues involved and how URIs should be interpreted in the repo. Discussion is commencing on the 4suite-dev list; any followups to this post should be redirected there. 4suite-dev list info and archives: http://lists.fourthought.com/mailman/listinfo/4suite-dev My post announcing details and ramifications of today's changes: http://lists.fourthought.com/pipermail/4suite-dev/2002-December/000918.html Beginning of a thread that discusses some of the repo URI issues: http://lists.fourthought.com/pipermail/4suite-dev/2002-December/000886.html Uche and I discussed further on IRC this evening (irc.freenode.net #4suite) and seem to be on the same page now about the reasons for the changes, and what issues remain. We'll be starting a new thread on 4suite-dev shortly. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From noreply at sourceforge.net Tue Dec 17 00:29:01 2002 From: noreply at sourceforge.net (noreply@sourceforge.net) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] [foursuite-Bugs-655062] 4ss login crash Message-ID: Bugs item #655062, was opened at 2002-12-17 07:29 You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=655062&group_id=39954 Category: 4SS (4Suite Server) Group: None Status: Open Resolution: None Priority: 5 Submitted By: Uche Ogbuji (uche) Assigned to: Mike Olson (mikeolson) Summary: 4ss login crash Initial Comment: $ 4ss login UserName: uo Password: Host : Port <8803>: Traceback (most recent call last): File "/usr/lib/python2.2/site-packages/Ft/Share/Bin/4ss", line 5, in ? GeneralCommandLineApp().run() File "/usr/lib/python2.2/site-packages/Ft/Lib/CommandLine/CommandLineApp.py", line 90, in run cmd.run_command(self.authenticationFunction) File "/usr/lib/python2.2/site-packages/Ft/Lib/CommandLine/Command.py", line 83, in run_command self.function(self.clOptions, self.clArguments) File "/usr/lib/python2.2/site-packages/Ft/Server/Client/Commands/Login.py", line 38, in TextLogin mang = Util.PasswordManager() AttributeError: 'module' object has no attribute 'PasswordManager' --- You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=655062&group_id=39954 From rohde at ojctech.com Tue Dec 17 15:31:57 2002 From: rohde at ojctech.com (Scott Rohde) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] XPath question Message-ID: <200212217163157.B20577@che.onthejob.net> Hi. Running the following script: ### import os #os.environ["USE_MINIDOM"] = "1" from Ft.Xml import Domlette reader = Domlette.NonvalidatingReader from Ft.Xml.XPath import Evaluate doc = """ """ document = reader.parseString(doc, 'dummy.uri') node_list = Evaluate('.//*', document.documentElement) print map(lambda node: str(node.nodeName), node_list) node_list = Evaluate('(.//*)[1]', document.documentElement) print map(lambda node: str(node.nodeName), node_list) ### gives output: ['c', 'c', 'b'] ['c'] Shouldn't 'b' be first, i.e., shouldn't I get ['b', 'c', 'c'] ['b'] I'm using 4Suite-0.12.0a3 with PyXML-0.8. I get the same results using minidom (by uncommenting line 2). (By the way, if I remove one of the 'c' elements, then

the 'b' IS first, that is, I get ['b', 'c'] ['b'] as output.) From mike at skew.org Tue Dec 17 17:07:28 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] XPath question In-Reply-To: <20021217163157.B20577@che.onthejob.net> "from Scott Rohde at Dec 17, 2002 04:31:57 pm" Message-ID: <200212180007.gBI07TPs047923@chilled.skew.org> That does seem to be a bug, probably in the descendant-or-self axis implementation. Jeremy? Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From bortier at itc.nl Thu Dec 19 01:32:00 2002 From: bortier at itc.nl (Cynthia Borkai Bortier) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Help! 4Suite initialization on windows 2000 fails! Message-ID: Hi Everybody, I've tried my best to use 4Suite for my academic project, until now I have been unable to initiate and start the 4Suite (4Suite-0.12.0a3.win32-py2.2.exe). I did follow all the instructions available in the guide which seems to be incomplete. Could you please give some hints how can I succeed on that? Cynthia & Jose From mike at skew.org Thu Dec 19 04:54:31 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Help! 4Suite initialization on windows 2000 fails! In-Reply-To: "from Cynthia Borkai Bortier at Dec 19, 2002 09:32:00 am" Message-ID: <200212191154.gBJBsWwU055833@chilled.skew.org> Cynthia Borkai Bortier wrote: > I've tried my best to use 4Suite for my academic project, until now I have > been unable to initiate and start the 4Suite > (4Suite-0.12.0a3.win32-py2.2.exe). I did follow all the instructions > available in the guide which seems to be incomplete. Could you please give > some hints how can I succeed on that? I've tried helping you off-list but you are always vague with your questions, and you don't actually say what isn't working. We can't guess what might be wrong... you have to tell us what happens when you try to follow each step of the instructions. It really should not be difficult. 1. Install Python, if you haven't already 2. Install 4Suite from the .exe (self-extracting installer) 3. Update your PATH environment variable to include C:\Python22\lib\site-packages\Ft\Share\Bin (or wherever your Bin directory ended up) 4. Set a FTSERVER_CONFIG_FILE environment variable to C:\dev\4ss.conf (or whever you put your config file) 5. Make sure the config file looks like the example (I sent you mine) 6. Open a command shell (DOS prompt) and type 4ss_manager init 7. After the init is done, 4ss_manager start 8. Now you have various servers listening and can visit http://localhost:8801/ or run 4ss --help If you are getting errors during any step of this, you need to tell us what they are... Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From mike at skew.org Sat Dec 21 12:37:22 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] current 4Suite ported to MS-DOS Message-ID: <200212211937.gBLJbMtV064260@chilled.skew.org> ----- Forwarded message from Ben Decker ----- From: Ben Decker Subject: RE: Re: Re: [4suite] MSDOS Port Date: Sat, 21 Dec 2002 18:36:13 +0100 > ------- Original Message ------- > > From : Mike Brown > Date : Mon, 16 Dec 2002 03:04:23 -0700 (MST) > >deckerben wrote: >> >If you built 0.12.0, you should be able to import modules like Ft.Xml.Domlette >> >and Ft.Xml.Xslt.Processor. >> >> >> Yep! >I'm starting to suspect you've got some weird combination of 0.12 and 0.11. >Where did you get it from? >From testing too many packages too quickly :-(I found the mistake to be, just as you said, an old version of 4xslt in /djgpp/bin. But it is now very exciting. 4 Suite 12 runs under DOS. The XSLT and Xpath processors work great- just as they should! I just need to see what I can dop for a thread module, forking is not permitted under dos. Without it, the 4ss_manager will not start... I think it needs threading for some log daemon it looks like... >Wait... do a 'which 4xslt' and see what '4xslt' really means to your shell. >If you want to run the 4xslt in the current dir, it'd be ./4xslt ... That was good! the key to solving the problem! >You can put them wherever you want. Good! That's what I did... :-) >> >http://uche.ogbuji.net:8080/uche.ogbuji.net/tech/akara/pyxml/python-xslt/ >> >> >> The website has problems... My web browser keeps locking up on the link... Is there an >> alternative? I will try again later. > >It's working for me. Google also has it cached. It is also working for me now, too. Just a bad connection maybe... It says a lot about a package when it ports to DOS. It means that the focus was on platform-independent technology and algorithms and *not* on "cool" platform- dependent bells and whistles. Congradulations. For whatever it's worth, 4Suite for MSDOS is available for download at http://members.lycos.co.uk/bdeck/ This is the official webpage for Python DOS. Ben > Mike J. Brown |

http://skew.org/~mike/resume/ > Denver, CO, USA | http://skew.org/xml/ > > When words aren't enough - Vodafone live! A new world of colour, sounds, picture messages and information on your mobile. Click here to find out more. ----- End of forwarded message from Ben Decker ----- From anders at bruun-olsen.net Sun Dec 22 01:34:29 2002 From: anders at bruun-olsen.net (Anders Bruun Olsen) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Problem with XSLT and uris Message-ID: <20021222083428.GH32686@eddie.local> Hi, In my app there are instances where I need to transform a DOM instance, which has not been saved to a file, with XSLT into some HTML to display on screen. On these occassions I set the sourceURI as such: if file == "": file = os.path.abspath(os.curdir) + os.sep + "dummy.xml" which works fine under linux, but fails under windows where it fails with this error: Ft.Xml.Xslt.XsltException: Source document (Y:\ujds\dummy.xml): Invalid base URI: Y:\ujds\dummy.xml So I went and read some mailinglist archives and found some discussions about using file:// urls - so I added: file = "file://" + file which also works perfectly under linux, but windows complaints: Ft.Xml.Xslt.XsltException: Source document (file://Y:\ujds\dummy.xml): [Errno socket error] (7, 'getaddrinfo failed') (please note that dummy.xml does not exist anywhere) In my eyes the colon (Y:) looks completely wrong in the url, but apparently Internet Explorer eats them like that. I have tried changing backslashes to slashes, leaving out the colon and even using | instead of colon (I think I remember seeing a browser use file:// urls like that once). Now - how is this done correctly, so that it works on both linux and windows? -- Anders -----BEGIN GEEK CODE BLOCK----- Version: 3.12 GCS/O d--@ s:+ a-- C++ $UL+++ P++ L+++ E- W+ N(+) o K? w O- M-- V PS+ PE@ Y+ PGP+ t 5 X R+ tv+ b+ DI+++ D+ G e- h !r y? ------END GEEK CODE BLOCK------ PGPKey: http://pgp.mit.edu:11371/pks/lookup?op=get&search=0x8BFECB41 From mike at skew.org Sun Dec 22 03:31:43 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Problem with XSLT and uris In-Reply-To: <20021222083428.GH32686@eddie.local> "from Anders Bruun Olsen at Dec 22, 2002 09:34:29 am" Message-ID: <20021222221031.gBMAViXT065815@chilled.skew.org> Anders Bruun Olsen wrote: > Ft.Xml.Xslt.XsltException: Source document (file://Y:\ujds\dummy.xml): > [Errno socket error] (7, 'getaddrinfo failed') > > (please note that dummy.xml does not exist anywhere) > > In my eyes the colon (Y:) looks completely wrong in the url, but > apparently Internet Explorer eats them like that. I have tried changing > backslashes to slashes, leaving out the colon and even using | instead > of colon (I think I remember seeing a browser use file:// urls like that > once). You're one slash short. A Windows filesystem path maps to a file-scheme URI like file:///path/to/file where the first path segment might be the drive letter with either a colon or a vertical bar after it. See if file:///Y|/ujds/dummy.xml works for you. There's no real standard for this stuff; the closest you'll find to a definition of the file URL scheme is in RFC 1738, and it doesn't give any examples for Windows paths. However one can say with certainty that the path components are separated with forward slashes in a URI. > Now - how is this done correctly, so that it works on both > linux and windows? If you are using a recent CVS snapshot of 4Suite, from Ft.Lib import Uri if file == "": file = os.path.abspath(os.curdir) + os.sep + "dummy.xml" uri = Uri.OsPathToUri(file) If you are using an older version, it may require some adjustment, I'm not sure. Try it and see if it gives you something that works. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From anders at bruun-olsen.net Sun Dec 22 08:52:42 2002 From: anders at bruun-olsen.net (Anders Bruun Olsen) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Problem with XSLT and uris In-Reply-To: <20021222221031.gBMAViXT065815@chilled.skew.org> References: <20021222083428.GH32686@eddie.local> <20021222221031.gBMAViXT065815@chilled.skew.org> Message-ID: <20021222155242.GI32686@eddie.local> On Sun, Dec 22, 2002 at 03:31:43AM -0700, Mike Brown wrote: > > Now - how is this done correctly, so that it works on both > > linux and windows? > If you are using a recent CVS snapshot of 4Suite, > from Ft.Lib import Uri > if file == "": > file = os.path.abspath(os.curdir) + os.sep + "dummy.xml" > uri = Uri.OsPathToUri(file) > If you are using an older version, it may require some adjustment, > I'm not sure. Try it and see if it gives you something that works. I am using 0.12.0a3 and again it works perfectly under linux, where windows has this complaint: Ft.Xml.Xslt.XsltException: Source document (file:///Y|/ujds/dummy.xml): 1:42:syntax

error And the same error even if the file I need to transform is an existing one.. -- Anders -----BEGIN GEEK CODE BLOCK----- Version: 3.12 GCS/O d--@ s:+ a-- C++ $UL+++ P++ L+++ E- W+ N(+) o K? w O- M-- V PS+ PE@ Y+ PGP+ t 5 X R+ tv+ b+ DI+++ D+ G e- h !r y? ------END GEEK CODE BLOCK------ PGPKey: http://pgp.mit.edu:11371/pks/lookup?op=get&search=0x8BFECB41 From mike at skew.org Sun Dec 22 11:37:14 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Problem with XSLT and uris In-Reply-To: <20021222155242.GI32686@eddie.local> "from Anders Bruun Olsen at Dec 22, 2002 04:52:42 pm" Message-ID: <200212221837.gBMIbExQ066460@chilled.skew.org> Anders Bruun Olsen wrote: > windows has this complaint: > > Ft.Xml.Xslt.XsltException: Source document (file:///Y|/ujds/dummy.xml): > 1:42:syntax error > > And the same error even if the file I need to transform is an existing > one.. I think that's an expat error. Something at the 42nd character it doesn't like. But why it's coming up like that, I don't know. Normally we catch those and reformat them. Show us more of your code. Are you parsing everything from strings or streams or what? See if this works (example using just strings): from Ft.Xml import InputSource from Ft.Xml.Xslt import Processor p = Processor.Processor() s = '' i = InputSource.DefaultFactory.fromString(s1, 'file:///C|/dev/dummy.xml') s0 = '' '' i0 = InputSource.DefaultFactory.fromString(s0, 'file:///C|/dev/dummy.xsl') p.appendStylesheet(i0) p.run(i1) Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From mike at skew.org Sun Dec 22 11:38:30 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:14 2006 Subject: [4suite] Problem with XSLT and uris In-Reply-To: <200212221837.gBMIbExQ066460@chilled.skew.org> "from Mike Brown at Dec 22, 2002 11:37:14 am" Message-ID: <200212221838.gBMIcUfc066475@chilled.skew.org> Mike Brown wrote: > i = InputSource.DefaultFactory.fromString(s1, 'file:///C|/dev/dummy.xml') Sorry that should be i1 From anders at bruun-olsen.net Sun Dec 22 16:08:06 2002 From: anders at bruun-olsen.net (Anders Bruun Olsen) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Problem with XSLT and uris In-Reply-To: <200212221837.gBMIbExQ066460@chilled.skew.org> References: <20021222155242.GI32686@eddie.local> <200212221837.gBMIbExQ066460@chilled.skew.org> Message-ID: <20021222230805.GJ32686@eddie.local> On Sun, Dec 22, 2002 at 11:37:14AM -0700, Mike Brown wrote: > Anders Bruun Olsen wrote: > > windows has this complaint: > > Ft.Xml.Xslt.XsltException: Source document (file:///Y|/ujds/dummy.xml): > > 1:42:syntax error > > And the same error even if the file I need to transform is an existing > > one.. > I think that's an expat error. Something at the 42nd character it doesn't > like. But why it's coming up like that, I don't know. Normally we catch those > and reformat them. Show us more of your code. Are you parsing everything from > strings or streams or what? the function I use to transform with looks like this: def IndexToHtml (index, input): dom = makeDom(index) xmlstring = cStringIO.StringIO() Print(dom, xmlstring) XML = xmlstring.getvalue() if input == "": input = os.path.abspath(os.curdir) + os.sep + "dummy.xml" input = Uri.OsPathToUri(input) xsltprocessor = Processor() transform = InputSource.DefaultFactory.fromUri ("ujds.xslt") document = InputSource.DefaultFactory.fromString(XML, input) xsltprocessor.appendStylesheet(transform) output = xsltprocessor.run(document) return output index is a list containing the internal format consisting of different class instances - makeDom() converts it to a valid DOM instance (well, Domlette to be precise). input is just a string containing the filename (unless the current file has not yet been saved) > See if this works (example using just strings): > from Ft.Xml import InputSource > from Ft.Xml.Xslt import Processor > p = Processor.Processor() > s = '' > i = InputSource.DefaultFactory.fromString(s1, 'file:///C|/dev/dummy.xml') > s0 = '' > xmlns:xsl="http://www.w3.org/1999/XSL/Transform"> > > > > > > > '' > i0 = InputSource.DefaultFactory.fromString(s0, 'file:///C|/dev/dummy.xsl') > p.appendStylesheet(i0) > p.run (i1) this works just fine (with s being s1 and i being i1) on both linux and windows. A quicknote is that it is upon xsltprocessor.run(document) it fails. -- Anders -----BEGIN GEEK CODE BLOCK----- Version: 3.12 GCS/O d--@ s:+ a-- C++ $UL+++ P++ L+++ E- W+ N(+) o K? w O- M-- V PS+ PE@ Y+ PGP+ t 5 X R+ tv+ b+ DI+++ D+ G e- h !r y? ------END GEEK CODE BLOCK------ PGPKey: http://pgp.mit.edu:11371/pks/lookup?op=get&search=0x8BFECB41 From mike at skew.org Sun Dec 22 20:27:48 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite]

Problem with XSLT and uris In-Reply-To: <20021222230805.GJ32686@eddie.local> "from Anders Bruun Olsen at Dec 23, 2002 00:08:06 am" Message-ID: <200212230327.gBN3RnRW067242@chilled.skew.org> Anders Bruun Olsen wrote: > the function I use to transform with looks like this: > > def IndexToHtml(index, input): > dom = makeDom(index) > xmlstring = cStringIO.StringIO() > Print(dom, xmlstring) > XML = xmlstring.getvalue() > > if input == "": input = os.path.abspath(os.curdir) + os.sep + "dummy.xml" > input = Uri.OsPathToUri(input) > > xsltprocessor = Processor() > > transform = InputSource.DefaultFactory.fromUri("ujds.xslt") > document = InputSource.DefaultFactory.fromString(XML, input) > > xsltprocessor.appendStylesheet (transform) > output = xsltprocessor.run(document) > return output > > index is a **list** containing the internal format consisting of different > class instances - makeDom() converts it to a valid DOM instance (well, > Domlette to be precise). > input is just a string containing the filename (unless the current file > has not yet been saved) The following approximation of the above works OK (i.xsl contains the identity transform): import cStringIO, os from Ft.Xml.Lib.Print import Print from Ft.Xml import Domlette, InputSource from Ft.Lib import Uri from Ft.Xml.Xslt.Processor import Processor dom = Domlette.NonvalidatingReader.parseString('','file:///C|/dev/dummy.xml') xmlstring = cStringIO.StringIO() Print(dom, xmlstring) XML = xmlstring.getvalue() input = os.path.abspath (os.curdir) + os.sep + "dummy.xml" input = Uri.OsPathToUri(input) xsltprocessor = Processor() transform = InputSource.DefaultFactory.fromUri("file:///C|/dev/test/i.xsl") document = InputSource.DefaultFactory.fromString(XML, input) xsltprocessor.appendStylesheet(transform) output = xsltprocessor.run(document) print output Note that since xmlstring is a stream, you could use document = InputSource.DefaultFactory.fromStream(xmlstring, input) as long as you make sure to call xmlstring.seek(0) first. This would eliminate the need to convert it to a string. Not in 0.12.0a3, but in current CVS, is Processor.runNode(), which would allow you to call runNode(dom) without converting the XML to a string or stream. Anyway, given that the above code works (please verify that it does), there must be something about your XML or XSLT that's causing it. Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From noreply at sourceforge.net Sun Dec 29 03:30:06 2002 From: noreply at sourceforge.net (noreply@sourceforge.net) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] [foursuite-Bugs-659626] param eval'd in top-level var is global Message-ID: Bugs item #659626, was opened at 2002-12-29 03:30 You can respond by visiting: https://sourceforge.net/tracker/?func=detail&atid=428292&aid=659626&group_id=39954 Category: 4XSLT Group: v0.12.0b Status: Open Resolution: None Priority: 5 Submitted By: Mike Brown (mike_j_brown) Assigned to: Nobody/Anonymous (nobody) Summary: param eval'd in top-level var is global Initial Comment: The following stylesheet succeeds, whereas it should fail, because $path is not in scope inside the root template. Apparently the xsl:param in the named template is being treated as if it were a top-level variable- binding element. This does not happen if the $foo binding is moved to happen inside the template matching the root node. foo: path: -- --------- You can respond by visiting: https://sourceforge.net/tracker/? func=detail&atid=428292&aid=659626&group_id=39954 From anders at bruun-olsen.net Sun Dec 29 08:39:17 2002 From: anders at bruun-olsen.net (Anders Bruun Olsen) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Problem with XSLT and uris In-Reply-To: <200212230327.gBN3RnRW067242@chilled.skew.org> References: <20021222230805.GJ32686@eddie.local> <200212230327.gBN3RnRW067242@chilled.skew.org> Message-ID: <20021229153917.GB26711@eddie.local> On Sun, Dec 22, 2002 at 08:27:48PM -0700, Mike Brown wrote: > The following approximation of the above works OK > Not in 0.12.0a3, but in current CVS, is Processor.runNode(), which > would allow you to call runNode(dom) without converting the XML to > a string or stream. > Anyway, given that the above code works (please verify that it does), there > must be something about your XML or XSLT that's causing it. I have now gotten it to work - I have no idea what the big difference is, but here is the code that now works: def IndexToHtml(index, input): dom = makeDom(index) xmlstring = cStringIO.StringIO() Print(dom, xmlstring) xmlstring.seek(0) if input == "": input = os.path.abspath(os.curdir) + os.sep + "dummy.xml" input = Uri.OsPathToUri(input) xsltprocessor = Processor() transform =

InputSource.DefaultFactory.fromString(XSLT, "ujds.xslt") document = InputSource.DefaultFactory.fromStream(xmlstring, input) xsltprocessor.appendStylesheet(transform) output = xsltprocessor.run(document) return output Thanks for your help and happy newyear to all on the list :) -- Anders -----BEGIN GEEK CODE BLOCK----- Version: 3.12 GCS/O d--@ s:+ a-- C++ $UL+++ P++ L+++ E- W+ N(+) o K? w O- M-- V PS+ PE@ Y+ PGP+ t 5 X R+ tv+ b+ DI+++ D+ G e- h !r y? ------END GEEK CODE BLOCK------ PGPKey: http://pgp.mit.edu:11371/pks/lookup? op=get&search=0x8BFECB41 From dietergyselinck at pandora.be Sun Dec 29 14:40:07 2002 From: dietergyselinck at pandora.be (Dieter Gyselinck) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Import errors on OS X Message-ID: <191E1E88-1B76-11D7-BCFA-0003938B87E2@pandora.be> Hi, I intend to create HTML documents form a source xml-file by applying an xslt stylesheet to it. I have done this before by using the xt-parser (written by James Clark) on PC but I have switched to a Mac environment and I would like to do it with Python. I am trying to install the 4suite modules to be able to this but I run into errors when I try to import the modules. I'm trying to do this on a OS X 10.2 which comes with Python2.2, I installed the 4Suite-0.12.0a3.tar.gz package from ftp://ftp.fourthought.com/pub/4Suite/ . This is the output when I try to import Domlette : Python 2.2 (#1, 07/14/02, 23:25:09) [GCC Apple cpp-precomp 6.14] on darwin Type "help", "copyright", "credits" or "license" for more information. >>> from Ft.Xml import Domlette Traceback (most recent call last): File "", line 1, in ? File "/usr/lib/python2.2/site-packages/Ft/Xml/Domlette.py", line 32, in ? from cDomlette import nonvalParse, valParse File "/usr/lib/python2.2/site-packages/Ft/Xml/cDomlette.py", line 14, in ? import cDomlettec ImportError: Failure linking new module This is the output when I try to import Processor : >>> from Ft.Xml.Xslt import Processor Bus error -> Does anyone know what I have to do to get this working??? Thanx, Dieter. From mike at skew.org Sun Dec 29 23:34:33 2002 From: mike at skew.org (Mike Brown) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Import errors on OS X In-Reply-To: <191E1E88-1B76-11D7-BCFA-0003938B87E2@pandora.be> "from Dieter Gyselinck at Dec 29, 2002 10:40:07 pm" Message-ID: <200212300634.gBU6YYwm089945@chilled.skew.org> Dieter Gyselinck wrote: > I am trying to > install the 4suite modules to be able to this but I run into errors > when I try to import the modules. > I'm trying to do this on a OS X 10.2 which comes with Python2.2, I > installed the 4Suite-0.12.0a3.tar.gz package from > ftp://ftp.fourthought.com/pub/4Suite/ . > > This is the output when I try to import Domlette : > Python 2.2 (#1, 07/14/02, 23:25:09) > [GCC Apple cpp-precomp 6.14] on darwin > Type "help", "copyright", "credits" or "license" for more information. > >>> from Ft.Xml import Domlette > Traceback (most recent call last): > File "", line 1, in ? > File "/usr/lib/python2.2/site-packages/Ft/Xml/Domlette.py", line 32, > in ? > from cDomlette import nonvalParse, valParse > File "/usr/lib/python2.2/site-packages/Ft/Xml/cDomlette.py", line 14, > in ? > import cDomlettec > ImportError: Failure linking new module > > This is the output when I try to import Processor : > >>> from Ft.Xml.Xslt import Processor > Bus error > > -> Does anyone know what I have to do to get this working??? See this message: http://lists.fourthought.com/pipermail/4suite/2002-December/004761.html Mike -- Mike J. Brown | http://skew.org/~mike/resume/ Denver, CO, USA | http://skew.org/xml/ From phd at phd.pp.ru Mon Dec 30 04:41:33 2002 From: phd at phd.pp.ru (Oleg Broytmann) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte Message-ID: <20021230114132.GA19752@phd.pp.ru> Hello! Versa.html (from the 4Suite docs) states: "gt(expression [, expression]) If there is a single argument, return true if the context is greater than the argument (after the argument has been converted to the same type as the context). If there are two arguments, return true if the first is greater than the second (after the second argument has been converted to the same type as the first). Otherwise return false." That is, if I call gt(2000) this should be equivalent to gt(context, 2000). Let's me look into the implementation - Ft/Rdf/Parsers/Versa/CoreFunctions.py, lines 521-527: def Gt(con, left, right=None): """ return 1 if arg1 is greater than arg2 based on data types ordering """ right = right is None and con.current or right return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false If "right" is None the functions compares left and context in wrong order - i.e. the call gt(2000) is equivalent to gt (2000, context). Who is wrong - the code or the docs? (I suspect the code is wrong here.) Functions "gte" and "lte" are not implemented at all, whatever docs says about them. BTW, why "gte"/"lte"? Aren't

"ge" and "le" more recognizable names? Oleg. -- Oleg Broytmann http://phd.pp.ru/ phd@phd.pp.ru Programmers don't die, they just GOSUB without RETURN. From uche.ogbuji at fourthought.com Mon Dec 30 07:25:56 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Import errors on OS X In-Reply-To: <200212300634.gBU6YYwm089945@chilled.skew.org> References: <200212300634.gBU6YYwm089945@chilled.skew.org> Message-ID: <1041258356.14874.914.camel@localhost.localdomain> On Sun, 2002-12-29 at 23:34, Mike Brown wrote: > Dieter Gyselinck wrote: > > I am trying to > > install the 4suite modules to be able to this but I run into errors > > when I try to import the modules. > > I'm trying to do this on a OS X 10.2 which comes with Python2.2, I > > installed the 4Suite-0.12.0a3.tar.gz package from > > ftp://ftp.fourthought.com/pub/4Suite/ . > > > > This is the output when I try to import Domlette : > > Python 2.2 (#1, 07/14/02, 23:25:09) > > [GCC Apple cpp-precomp 6.14] on darwin > > Type "help", "copyright", "credits" or "license" for more information. > > >>> from Ft.Xml import Domlette > > Traceback (most recent call last): > > File "", line 1, in ? > > File "/usr/lib/python2.2/site-packages/Ft/Xml/Domlette.py", line 32, > > in ? > > from cDomlette import nonvalParse, valParse > > File "/usr/lib/python2.2/site-packages/Ft/Xml/cDomlette.py", line 14, > > in ? > > import cDomlettec > > ImportError: Failure linking new module > > > > This is the output when I try to import Processor : > > >>> from Ft.Xml.Xslt import Processor > > Bus error > > > > -> Does anyone know what I have to do to get this working??? > > See this message: > http://lists.fourthought.com/pipermail/4suite/2002-December/004761.html Yep. My Akara page for Mac OS X users http://uche.ogbuji.net/tech/akara/pyxml/osx/ consists mostly of a reference to that message. I'm hoping we learn more on the topic now that the biggest barriers seem to have work-arounds. -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com A Python & XML Companion - http://www.xml.com/pub/a/2002/12/11/py-xml.html XML class warfare - http://www.adtmag.com/article.asp?id=6965 **MusicBrainz** metadata - http://www-106.ibm.com/developerworks/xml/library/x-think14.html From uche.ogbuji at fourthought.com Mon Dec 30 09:40:35 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Import errors on OS X In-Reply-To: <9D9D2380-1C15-11D7-A98C-0003938B87E2@pandora.be> References: <9D9D2380-1C15-11D7-A98C-0003938B87E2@pandora.be> Message-ID: <1041266435.14874.922.camel@localhost.localdomain> On Mon, 2002-12-30 at 09:41, Dieter Gyselinck wrote: > Hi, > > thanx for the advice. I saw the postings but it took me a while > before I figured out that I actually had to create the keepsymbols > file. The problem is fixed now! Thanks. We're very happy for the success report. If you have or come across in future any more advice for Mac OS X users of 4Suite or PyXML, please post them here, or e-mail me so I can update my Akara page. > -- > Uche Ogbuji Fourthought, Inc. > http://uche.ogbuji.net http://4Suite.org http://fourthought.com > A Python & XML Companion - http://www.xml.com/pub/a/2002/12/11/py-xml.html > XML class warfare - http://www.adtmag.com/article.asp?id=6965 > **MusicBrainz** metadata - http://www-106.ibm.com/developerworks/xml/library/x-think14.html From uche.ogbuji at fourthought.com Mon Dec 30 10:09:16 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <200212301 14132.GA19752@phd.pp.ru> References: <200212301 14132.GA19752@phd.pp.ru> Message-ID: <1041268155.14868.949.camel@localhost.localdomain> On Mon, 2002-12-30 at 04:41, Oleg Broytmann wrote: > Hello! > > Versa.html (from the 4Suite docs) states: > "gt(expression [, expression]) > > If there is a single argument, return true if the context is greater > than the argument (after the argument has been converted to the same type > as the context). If there are two arguments, return true if the first is > greater than the second (after the second argument has been converted to > the same type as the first). Otherwise return false." > > That is, if I call gt(2000) this should be equivalent to > gt(context, 2000). > > Let's me look into the implementation - > Ft/Rdf/Parsers/Versa/CoreFunctions.py, lines 521-527: > > def Gt(con, left, right=None): > """ > return 1 if arg1 is greater than arg2 > based on data types ordering > """ > right = right is None and con.current

or right > return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false > > If "right" is None the functions compares left and context in wrong order - > i.e. the call gt(2000) is equivalent to gt (2000, context). > Who is wrong - the code or the docs? (I suspect the code is wrong here.) You're right. I think the patch below fixes this. Please confirm. > Functions "gte" and "lte" are not implemented at all, whatever docs says > about them. BTW, why "gte"/"lte"? Aren't "ge" and "le" more recognizable > names? As for the names, I've seen "gte" more often than "ge", though a brief googling shows that "ge" seems to be the way in Perl. "gte" is common in SQL, cold fusion, and other such worlds, though ge seems to be an acceptable alias in such cases. I have no problem supporting both names. Any comments from others? As for the implementation. I implemented it in the following patch with addresses both main matters in your post: diff -u -r1.10 CoreFunctions.py --- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 -0000 1.10 +++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 17:26:15 -0000 @@ -524,7 +524,7 @@ based on data types ordering """ right = right is None and con.current or right - return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false + return DataTypes.Cmp(right, left) == 1 and boolean.true or boolean.false def Lt(con, left, right=None): @@ -533,7 +533,7 @@ based on data types ordering """ right = right is None and con.current or right - return DataTypes.Cmp(left, right) == -1 and boolean.true or boolean.false + return DataTypes.Cmp(right, left) == -1 and boolean.true or boolean.false def Eq(con, left, right=None): @@ -544,6 +544,24 @@ return DataTypes.Cmp(left, right) == 0 and boolean.true or boolean.false +def Gte(con, left, right=None): + """ + return 1 if arg1 is greater than or equal to arg2 + based on data types ordering + """ + right = right is None and con.current or right + return DataTypes.Cmp(right, left) > -1 and boolean.true or boolean.false + + +def Lte(con, left, right=None): + """ + return 1 if arg1 is less than or equal to arg2 + based on data types ordering + """ + right = right is None and con.current or right + return DataTypes.Cmp(right, left) < 1 and boolean.true or boolean.false + + def Evaluate(con, expr): """ Dynamically evaluate the given string @@ -632,6 +650,10 @@ (None, 'gt'): Gt, (None, 'lt'): Lt, (None, 'eq'): Eq, + (None, 'gte'): Gte, + (None, 'lte'): Lte, + (None, 'ge'): Gte, + (None, 'le'): Lte, (None, 'evaluate'): Evaluate, (None, 'properties'): Properties, (None, 'current'): Current, -----------%----------- With this patch in, I get proper string comparison: [uogbuji@borgia rdf]$ cat ogbuji.rdf]> Uche Ogbuji 30 Chimezie Ogbuji 24 Linus Ogbuji 56 Margaret Ogbuji 52 Lori Ogbuji 29 Jerry Stubblefield 55 Lola Stubblefield 50 Osita Ogbuji 1 Chidi Ogbuji 2 Thomas Ogbuji 100 [uogbuji@borgia rdf]$ 4versa -r ogbuji.rdf "all() - fam:age -> gt('30')" With nsMapping of: vtrav --> http://rdfinference.org/versa/0/2/traverse/ xml --> http://www.w3.org/XML/1998/namespace vsort --> http://rdfinference.org/versa/0/2/sort/ versa --> http://rdfinference.org/versa/0/2/ daml --> http://www.daml.org/2001/03/daml+oil# fam --> http://rdfinference.org/ril/eg/family/ rdf --> http://www.w3.org/1999/02/22-rdf-syntax-ns# rdfs --> http://www.w3.org/2000/01/rdf-schema# dc --> http://purl.org/dc/elements/1.1/ 56 52 55 50 -----------%----------- But your post brings up a hole in the . 4Suite implementation of Versa. Right now there is no efficient way to run a numerical rather than string comparison. For example, all() - fam:age -> gt(30) Simply converts the number 30 to string, since as far as the Versa engine is concerned, the objects of fam:age statements are strings. One can do: filter(all() - fam:age -> *, 'gt(number(.), 30)') But this is slower. Any thoughts on a good way to shoehorn forced number comparisons into traversal expressions? -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com A Python & XML Companion - http://www.xml.com/pub/a/2002/12/11/py-xml.html XML class warfare - http://www.adtmag.com/article.asp?id=6965 **MusicBrainz** metadata - http://www-106.ibm.com/developerworks/xml/library/x-think14.html From phd at phd.pp.ru Mon Dec 30 11:10:26 2002 From: phd at phd.pp.ru (Oleg Broytmann) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <1041268155.14868.949.camel@localhost.localdomain> References: <20021230114132.GA19752@phd.pp.ru> <1041268155.14868.949.camel@localhost.localdomain> Message-ID: <20021230181026.GA20857@phd.pp.ru> On Mon, Dec 30, 2002 at 10:09:16AM -0700, Uche Ogbuji wrote: > diff -u -r1.10 CoreFunctions.py > --- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 > -0000 > 1.10 > +++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 17:26:15

> -0000 > @@ -524,7 +524,7 @@ > based on data types ordering > """ > right = right is None and con.current or right > - return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false > + return DataTypes.Cmp(right, left) == 1 and boolean.true or boolean.false This, of course, breaks comparison with 2 parameters: gt(arg1, arg2)... The actual solution should be like this: if right is None: return cmp(context, left) else: return cmp(left, right) Oleg. -- Oleg Broytmann http://phd.pp.ru/ phd@phd.pp.ru Programmers don't die, they just GOSUB without RETURN. From uche.ogbuji at fourthought.com Mon Dec 30 11:01:22 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <200212301081026.GA20857@phd.pp.ru> References: <200212301114132.GA19752@phd.pp.ru> <1041268155.14868.949.camel@localhost.localdomain> <200212301081026.GA20857@phd.pp.ru> Message-ID: <1041271282.14874.952.camel@localhost.localdomain> On Mon, 2002-12-30 at 11:10, Oleg Broytmann wrote: > On Mon, Dec 30, 2002 at 10:09:16AM -0700, Uche Ogbuji wrote: > > diff -u -r1.10 CoreFunctions.py > > --- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 > > - 0000 > > 1.10 > > +++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 17:26:15 > > -0000 > > @@ -524,7 +524,7 @@ > > based on data types ordering > > """ > > right = right is None and con.current or right > > - return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false > > + return DataTypes.Cmp(right, left) == 1 and boolean.true or boolean.false > > This, of course, breaks comparison with 2 parameters: gt(arg1, arg2)... > > The actual solution should be like this: > > if right is None: > return cmp(context, left) > else: > return cmp(left, right) True. The reason I hadn't checked it in was because I hadn't tested it thoroughly :-) I have checked the following patch against 1 and 2 argument cases of all 4 functions. diff -u -r1.10 CoreFunctions.py --- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 -0000 1.10 +++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 18:23:49 -0000 @@ -523,7 +523,9 @@ return 1 if arg1 is greater than arg2 based on data types ordering """ - right = right is None and con.current or right + if right is None: + right = left + left = con.current return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false @@ -532,7 +534,9 @@ return 1 if arg1 is less than arg2 based on data types ordering """ - right = right is None and con.current or right + if right is None: + right = left + left = con.current return DataTypes.Cmp(left, right) == -1 and boolean.true or boolean.false @@ -544,6 +548,28 @@ return DataTypes.Cmp(left, right) == 0 and boolean.true or boolean.false +def Gte(con, left, right=None): + """ + return 1 if arg1 is greater than or equal to arg2 + based on data types ordering + """ + if right is None: + right = left + left = con.current + return DataTypes.Cmp(left, right) > -1 and boolean.true or boolean.false + +def Lte(con, left, right=None): + """ + return 1 if arg1 is less than or equal to arg2 + based on data types ordering + """ + if right is None: + right = left + left = con.current + return DataTypes.Cmp(left, right) < 1 and boolean.true or boolean.false + + def Evaluate(con, expr): """ Dynamically evaluate the given string @@ -632,6 +658,10 @@ (None, 'gt'): Gt, (None, 'lt'): Lt, (None, 'eq'): Eq, + (None, 'gte'): Gte, + (None, 'lte'): Lte, + (None, 'ge'): Gte, + (None, 'le'): Lte, (None, 'evaluate'): Evaluate, (None, 'properties'): Properties, (None, 'current'): Current, -- Uche Ogbuji Fourthought, Inc. http://uche.ogbuji.net http://4Suite.org http://fourthought.com A Python & XML Companion - http://www.xml.com/pub/a/2002/12/11/py-xml.html XML class warfare - http://www.adtmag.com/article.asp?id=6965 **MusicBrainz** metadata - http://www-106.ibm.com/developerworks/xml/library/x-think14.html From phd at phd.pp.ru Mon Dec 30 12:02:32 2002 From: phd at phd.pp.ru (Oleg Broytmann) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <1041271282.14874.952.camel@localhost.localdomain> References: <200212301114132.GA19752@phd.pp.ru> <1041268155.14868.949.camel@localhost.localdomain> <200212301081026.GA20857@phd.pp.ru> <1041271282.14874.952.camel@localhost.localdomain> Message-ID: <200212301190232.GA21155@phd.pp.ru> On Mon, Dec 30, 2002 at 11:01:22AM -0700, Uche Ogbuji wrote: > I have checked the following patch against 1 and 2 argument cases of all > 4 functions. > > diff -u -r1.10 CoreFunctions.py > --- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 > -0000 > 1.10 > +++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 18:23:49 > -0000 > @@ -523,7 +523,9 @@ > return 1 if arg1 is greater than arg2 > based on data types ordering > """ > -

right = right is None and con.current or right > + if right is None: > + right = left > + left = con.current > return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false The patch looks good, but I cannot check it out from CVS. Have you checked it in? into a branch, perhaps? Also it looks like a good candidate for a minor refactoring: a little helper function like this: def _cmp_helper(con, left, right=None): right = right is None and con.current or right if right is None: right = left left = con.current return DataTypes.Cmp(left, right) then use it: def Lt(con, left, right=None): return _cmp_helper(con, left, right) == -1 and boolean.true or boolean.false Oleg. -- Oleg Broytmann http://phd.pp.ru/ phd@phd.pp.ru Programmers don't die, they just GOSUB without RETURN. From uche.ogbuji at fourthought.com Mon Dec 30 12:53:15 2002 From: uche.ogbuji at fourthought.com (Uche Ogbuji) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <200212230190232.GA21155@phd.pp.ru> References: <200212230114132.GA19752@phd.pp.ru> <1041268155.14868.949.camel@localhost.localdomain> <20021230181026.GA20857@phd.pp.ru> <1041271282.14874.952.camel@localhost.localdomain> <20021230190232.GA21155@phd.pp.ru> Message-ID: <1041277994.14868.969.camel@localhost.localdomain> On Mon, 2002-12-30 at 12:02, Oleg Broytmann wrote: > On Mon, Dec 30, 2002 at 11:01:22AM -0700, Uche Ogbuji wrote: > > I have checked the following patch against 1 and 2 argument cases of all > > 4 functions. > > > > diff -u -r1.10 CoreFunctions.py > > --- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 > > -0000 > > 1.10 > > +++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 18:23:49 > > -0000 > > @@ -523,7 +523,9 @@ > > return 1 if arg1 is greater than arg2 > > based on data types ordering > > """ > > - right = right is None and con.current or right > > + if right is None: > > + right = left > > + left = con.current > > return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false > > The patch looks good, but I cannot check it out from CVS. Have you > checked it in? into a branch, perhaps? I dodn't check it in because I was hoping to figure out how hopeless a task it would be to update the Versa test suite to take this in. > Also it looks like a good candidate for a minor refactoring: a little > helper function like this: > > def _cmp_helper(con, left, right=None): > right = right is None and con.current or right > if right is None: > right = left > left = con.current > return DataTypes.Cmp(left, right) > > then use it: > > def Lt(con, left, right=None): > return _cmp_helper(con, left, right) == -1 and boolean.true or boolean.false Ha! Well, if we're looking to be clever, we might as well just go all the way to currying.

```
diff -u -r1.10 CoreFunctions.py
--- Ft/Rdf/Parsers/Versa/CoreFunctions.py 18 Sep 2002 22:51:04 -0000
1.10
+++ Ft/Rdf/Parsers/Versa/CoreFunctions.py 30 Dec 2002 20:16:11 -0000
@@ -518,30 +518,40 @@
 # Relational functions #
-def Gt(con, left, right=None):
-    """
-    - return 1 if arg1 is greater than arg2
-    - based on data types ordering
-    """
-    right = right is None and con.current or right
-    return DataTypes.Cmp(left, right) == 1 and boolean.true or boolean.false
-
-def Lt(con, left, right=None):
-    """
-    - return 1 if arg1 is less than arg2
-    - based on data types ordering
-    """
-    right = right is None and con.current or right
-    return DataTypes.Cmp(left, right) == -1 and boolean.true or boolean.false
-
-def Eq(con, left, right=None):
-    """
-    - return 1 if arg1 is equal to arg2
-    """
-    right = right is None and con.current or right
-    return DataTypes.Cmp(left, right) == 0 and boolean.true or boolean.false
+# See http://aspn.activestate.com/ASPN/Cookbook/Python/Recipe/52549
+# This does slow down these functions, but to an extent that is drowned out by the general slowness of function dispatch in Versa
+class curry:
+    def __init__(self, fun, *args, **kwargs):
+        self.fun = fun
+        self.pending = args[:]
+        self.kwargs = kwargs.copy()
+    def __call__(self, *args, **kwargs):
+        if kwargs and self.kwargs:
+            kw = self.kwargs.copy()
+            kw.update(kwargs)
+        else:
+            kw = kwargs or self.kwargs
+        return self.fun(*(self.pending + args), **kw)
+
+def RelFunc(con, left, right=None, cmp_results=None):
+    #return result of comparison by data types ordering
+    #cmp_results is a list of comparison results (0, 1 or 2) that
+    #determines what sort of comparison to undertake
+    #for example [1] would check if left is bigger than right and [0] whether they are equal.
+    if right is None:
+        right = left
+        left = con.current
+    return DataTypes.Cmp(left, right) in cmp_results and boolean.true or boolean.false
+
+
+Gt = curry(RelFunc, cmp_results=[1])
+Lt = curry(RelFunc, cmp_results=[-1])
+Gte = curry(RelFunc, cmp_results=[0, 1])
+Lte = curry(RelFunc, cmp_results=[0, -1])
+Eq = curry(RelFunc, cmp_results=[0])
 def Evaluate(con, expr):
@@ -632,6 +642,10 @@
     (None, 'gt'): Gt,
     (None, 'lt'): Lt,
     (None, 'eq'): Eq,
+    (None, 'gte'): Gte,
+    (None, 'lte'): Lte,
+    (None, 'ge'): Gte,
+    (None, 'le'): Lte,
     (None, 'evaluate'): Evaluate,
     (None,
```

'properties'): Properties, (None, 'current'): Current, Ooooh! I can't stand it! Who says Python doesn't rock? :-) I did check in this version, since it does pass the basic tests. I might, however, in future, come to my senses and undo the currying since it does incur a performance hit. Of course, in this case, the performance hit is drowned out by the general Versa function invokation overhead. > -- > Uche Ogbuji Fourthought, Inc. > http://uche.ogbuji.net http://4Suite.org http://fourthought.com > A Python & XML Companion - http://www.xml.com/pub/a/2002/12/11/py-xml.html > XML class warfare - http://www.adtmag.com/article.asp?id=6965 > **MusicBrainz** metadata - http://www-106.ibm.com/developerworks/xml/library/x-think14.html From dietergyselinck at pandora.be Mon Dec 30 09:41:59 2002 From: dietergyselinck at pandora.be (Dieter Gyselinck) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Import errors on OS X In-Reply-To: <1041258356.14874.914.camel@localhost.localdomain> Message-ID: <9D9D2380-1C15-11D7-A98C-0003938B87E2@pandora.be> Hi, thanx for the advice. I saw the postings but it took me a while before I figured out that I actually had to create the keepsymbols file. The problem is fixed now! Thanx, Dieter. On Monday, December 30, 2002, at 03:25 PM, Uche Ogbuji wrote: > On Sun, 2002-12-29 at 23:34, Mike Brown wrote: >> Dieter Gyselinck wrote: >>> I am trying to >>> install the 4suite modules to be able to this but I run into errors >>> when I try to import the modules. >>> I'm trying to do this on a OS X 10.2 which comes with Python2.2, I >>> installed the 4Suite-0.12.0a3.tar.gz package from >>> ftp://ftp.fourthought.com/pub/4Suite/ . >>> >>> This is the output when I try to import Domlette : >>> Python 2.2 (#1, 07/14/02, 23:25:09) >>> [GCC Apple cpp-precomp 6.14] on darwin >>> Type "help", "copyright", "credits" or "license" for more >>> information. >>>>>> from Ft.Xml import Domlette >>> Traceback (most recent call last): >>> File "", line 1, in ? >>> File "/usr/lib/python2.2/site-packages/Ft/Xml/Domlette.py", line >>> 32, >>> in ? >>> from cDomlette import nonvalParse, valParse >>> File "/usr/lib/python2.2/site-packages/Ft/Xml/cDomlette.py", line >>> 14, >>> in ? >>> import cDomlettec >>> ImportError: Failure linking new module >>> >>> This is the output when I try to import Processor : >>>>>> from Ft.Xml.Xslt import Processor >>> Bus error >>> >>> -> Does anyone know what I have to do to get this working??? >> >> See this message: >> http://lists.fourthought.com/pipermail/4suite/2002-December/ >> 004761.html > > Yep. My Akara page for Mac OS X users > > http://uche.ogbuji.net/tech/akara/pyxml/osx/ > > consists mostly of a reference to that message. I'm hoping we learn > more on the topic now that the biggest barriers seem to have > work-arounds. > > > -- > Uche Ogbuji Fourthought, Inc. > http://uche.ogbuji.net http://4Suite.org http://fourthought.com > A Python & XML Companion - > http://www.xml.com/pub/a/2002/12/11/py-xml.html > XML class warfare - http://www.adtmag.com/article.asp?id=6965 > **MusicBrainz** metadata - > http://www-106.ibm.com/developerworks/xml/library/x-think14.html > > From alex at ank-sia.com Mon Dec 30 13:18:21 2002 From: alex at ank-sia.com (alexander smishlajev) Date: Sat Aug 26 17:46:15 2006 Subject: [ank devel] Re: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <1041268155.14868.949.camel@localhost.localdomain> References: <20021230114132.GA19752@phd.pp.ru> <1041268155.14868.949.camel@localhost.localdomain> Message-ID: <3E10AA0D.9000505@ank-sia.com> Uche Ogbuji wrote: >> >> Functions "gte" and "lte" are not implemented at all, whatever docs >> says about them. BTW, why "gte"/"lte"? Aren't "ge" and "le" more >> recognizable names? > > As for the names, I've seen "gte" more often than "ge", though a brief > googling shows that "ge" seems to be the way in Perl. "gte" is common > in SQL, cold fusion, and other such worlds, though ge seems to be an > acceptable alias in such cases. > > I have no problem supporting both names. Any comments from others? IMHO names 'ge' and 'le' came to Perl from common *nix 'test' command. So i think that these names in general are trained better than 'gte' and 'lte'. > But your post brings up a hole in the 4Suite implementation of Versa. > Right now there is no efficient way to run a numerical rather than > string comparison. For example, > > all() - fam:age -> gt (30) > > Simply converts the number 30 to string, since as far as the Versa > engine is concerned, the objects of fam:age statements are strings. > > One can do: > > filter(all() - fam:age -> *, 'gt(number(.), 30)') > > But this is slower. > > Any thoughts on a good way to shoehorn forced number comparisons into > traversal expressions? Perl uses arithmetic signs for numeric comparisons and mnemonics for string comparisons. Since we cannot use those special symbols as Versa function names, i propose to

add an 'n' suffix for numbers, i.e. make Versa numeric comparison functions 'eqn', 'nen', 'ltn', 'gtn', 'gen' and 'len'. happy New Year! alex. From phd at phd.pp.ru Mon **Dec** 30 13:49:54 2002 From: phd at phd.pp.ru (Oleg Broytmann) Date: Sat Aug 26 17:46:15 2006 Subject: [4suite] Versa comparison functions lt/gt/lte/gte In-Reply-To: <1041277994.14868.969.camel@localhost.localdomain> References: <20021230114132.GA19752@phd.pp.ru> <1041268155.14868.949.camel@localhost.localdomain> <20021230181026.GA20857@phd.pp.ru> <1041271282.14874.952.camel@localhost.localdomain> <20021230190232.GA21155@phd.pp.ru> <1041277994.14868.969.camel@localhost.localdomain> Message-ID: <20021230204953.GA21660@phd.pp.ru> On Mon, **Dec** 30, 2002 at 12:53:15PM -0700, Uche Ogbuji wrote: > Ha! Well, if we're looking to be clever, we might as well just go all > the way to currying. Good! > Ooooh! I can't stand it! Who says Python doesn't rock? :-) :) > I did check in this version Got it. It passed all my tests. Thank you very much! PS. Happy New Year to all, folks! Oleg. -- Oleg Broytmann http://phd.pp.ru/ phd@phd.pp.ru Programmers don't die, they just GOSUB without RETURN.